

1 **Chapter 5**
2 **USDA Forest Service Wildland Fire and Aviation Program**
3 **Organization and Responsibilities**

4 **Introduction**

5 This document is intended to be a program reference guide that documents the
6 standards for operational procedures and practices for the USDA Forest Service
7 Fire and Aviation Management program. The standards provided in this
8 handbook are based on current agency and interagency wildland fire
9 management policy, and are intended to provide fire and aviation program
10 guidance, and to ensure safe, consistent, efficient, and effective fire and aviation
11 operations. This document will be reviewed and updated annually.

12 **Vision and Objectives for Fire Management**

13 The vision of the Forest Service's Fire and Aviation Management program is to
14 safely and effectively extinguish fire, when needed; use fire where allowable;
15 manage our natural resources; and as a Nation, live with wildland fire. The
16 following objectives support this vision:

- 17 • Risk Management and Risk Reduction – Assure management of risk to
18 people, communities and natural and cultural resources is the fundamental
19 principle used to make informed decisions in all fire management programs.
20 Minimize the risk to people, communities and natural and cultural resources
21 by assessing the potential benefits of actions, severity of concerns, and
22 probabilities of occurrences to reduce risk.
- 23 • Ecological – Meet the Forest Service mission through the use of fire
24 management programs to protect people and communities, conserve natural
25 and cultural resources, and maintain and restore ecological health.
- 26 • Collaboration – Implement the wildland fire management program through
27 collaboration and partnerships.
- 28 • Learning – Learn from science, and ours and our partners' experiences, to
29 improve fire management programs.
- 30 • Empowerment – Employees are expected and empowered to be creative and
31 decisive, to exercise initiative and accept responsibility and use their
32 training, experience, and judgement to implement the agency's mission.

33 **Foundational Doctrine**

34 The vision of the Forest Service's Fire and Aviation Management program is to
35 use a doctrinal approach based on leadership, operations and risk management.
36 To support this vision, Forest Service policy is to:

- 37 • Take all response actions to ensure the safety of firefighters, other
38 personnel, and the public regardless of cost or resource loss; no resource or
39 facility is worth the loss of human life.
- 40 • The intent of wildfire response is to protect human life, property, and
41 achieve protection and natural resource management objectives established
42 in land and resource management plans.

- 1 • Leadership principles are the foundational doctrine on which fire and
2 aviation management operations will be based (*Leading in the Wildland*
3 *Fire Service*, PMS 494-2).
- 4 A doctrinal approach goes beyond strict compliance with procedural rules, and
5 promotes risk-based application of wildland fire management principles to
6 improve decision making and firefighter safety. Foundational doctrine has been
7 codified in Forest Service *Manual 5100* direction and will guide fundamental
8 wildland fire management policy, practices, behaviors, and customs to be
9 mutually understood at every level of command.
- 10 Under this doctrinal approach:
- 11 • Employees are expected and empowered to be creative and decisive, to
12 exercise initiative and accept responsibility, and to use their training,
13 experience, and judgment in decision-making to carry out their leader's
14 intent.
 - 15 • Employees are expected and empowered to make reasonable and prudent
16 decisions to accomplish the agency mission while minimizing unnecessary
17 risk.

18 **Mission**

- 19 • The Forest Service is prepared and organized to support national and
20 international emergencies with trained personnel and other assets when
21 requested.
- 22 • Agency employees respond when they come across situations where human
23 life is immediately at risk or there is a clear emergency, and they are
24 capable of assisting without undue risk to themselves or others.
- 25 • Support for local fire emergencies takes priority over accomplishment of
26 local resource targets. Support of non-local fire emergencies will be at the
27 discretion of the local line officer, as bounded by agency agreements and
28 Regional or National direction.
- 29 • A cooperative relationship between the Forest Service and other agencies is
30 essential. The Forest Service is committed to honor its part of the joint
31 responsibility to develop and maintain effective working relationships with
32 its intergovernmental cooperators.

33 **Wildland Fire Response Principles**

- 34 • Response to wildland fire is based on the ecological, social, and legal
35 consequences of fire. The circumstances under which a fire occurs, and the
36 likely consequences to firefighter and public safety and welfare, natural and
37 cultural resources, and values to be protected dictate the appropriate
38 management response to fire.
- 39 • Response to wildfire in the Wilderness focuses on the natural ecological
40 role of fire and activities are conducted in a manner compatible with overall
41 wilderness management objectives (see FSM 2320).
- 42 • Success is achieving reasonable objectives with the least firefighter risk
43 necessary while enhancing stakeholder support for our management efforts.

1 Leadership and Accountability

- 2 • All levels of leadership must communicate a clear vision of Agency goals
3 and management principles, ensuring they are shared and understood by all
4 levels of the organization.
- 5 • All levels of leadership must express clear intent concerning roles and
6 responsibilities to ensure wildfire response assignments are appropriate,
7 risk-based and effective.
- 8 • Leaders regularly monitor operations for safety, efficiency and
9 effectiveness, and take action when there is recognition of exceptional or
10 problematic employee performance.

11 The Operational Environment**12 Risk Management**

13 The wildfire response environment is complex and possesses inherent hazards. It
14 should be recognized that even with reasonable risk mitigations responses can
15 result in harm to firefighters.

- 16 • The Forest Service is committed to the aggressive management of risk.
- 17 • Apply a risk management process to minimize unnecessary risk in wildfire
18 response while maximizing the opportunities to achieve management
19 objectives.
- 20 • Maintaining state of the art decision support systems based on the best
21 available science is essential for making sound decisions on how to manage
22 all wildland fire to achieve Land and Resource Management Plan
23 objectives, including public and Agency personnel safety.
- 24 • The Forest Service guide to Risk Management and other helpful Risk
25 Management resources can be found on the USDA Forest Service website
26 for Risk Management. <https://www.fs.fed.us/managing-land/fire/safety>

27 Operations

28 Every wildfire response operation is directed toward clearly-defined, decisive,
29 and obtainable objectives.

30 Wildfire Response

- 31 • When it is time to engage a wildfire, do so in a manner that is appropriate,
32 risk-based, and effective.
- 33 • Command and control will be decentralized to cope with the unpredictable
34 nature of wildfire. To achieve leader's intent and accomplish operational
35 objectives, subordinate commanders must make decisions on their own
36 initiative, and coordinate their efforts to maintain unity of effort.
- 37 • Judgement in combination with principles and rules will guide wildfire
38 response practices and actions.
- 39 • Rapid deployment and appropriate concentration of wildfire response
40 resources at the decisive time and place are essential to successful wildfire
41 response actions.

- 1 • Maintaining a high capability to ensure effective initial attack is essential to
2 public and firefighter safety, accomplishment of management objectives,
3 and cost containment.
- 4 • The interdependence of wildland fire jurisdictions requires the
5 collaborative, proactive engagement of cooperators, partners, and the public
6 in response activities.

7 **Risk Management Protocol**

8 Forest Service Risk Management Protocol begins with working with partners
9 and stakeholders to identify values affected by fire (positively and negatively)
10 and then forming clear and reasonable objectives around these values. The
11 highest value is human life and thus the primary objective will always be
12 protection of human life. Other objectives will be weighed against the amount of
13 risk responders and the public must accept in order to accomplish the objectives
14 as well as the likelihood of success. The Forest Service is committed to using a
15 three phased risk management protocol:

16 **I. Pre-season**

17 Pre-season preparedness work is critical to success when the fire starts.

- 18 • Build decision maker and key stakeholder capacity to manage the
19 uncertainties and inherent risks of fires.
 - 20 ○ Increase understanding of risk management with key stakeholders and
21 partner agencies.
 - 22 ○ Build Agency Administrator capacity to perform as risk managers.
- 23 • Determine what values-related spatial data is missing in WFDSS, if any,
24 and develop a plan for incorporating it into the unit's fire planning map
25 layers to ensure its availability to support future decisions.
- 26 • Assess risk at a landscape level, looking at National Forest System (NFS)
27 lands and those adjoining lands that may be impacted by a fire leaving NFS
28 land.
 - 29 ○ Develop a common understanding of values to be protected by
30 answering four questions; 'What is important?' 'Why is it important?'
31 'Who is it important to?' and 'How important is it?'
 - 32 ○ Complete a risk analysis, with key stakeholders and partner agencies, to
33 predetermine the optimal response strategies for protecting values at
34 risk. Engage key stakeholders and partner agencies in tabletop
35 exercises or other venues to ensure alignment.
 - 36 ○ Initiate dialogue with line officers and stakeholders aimed at
37 understanding, acceptance, and support for alternative risk-based
38 decisions. This is especially important where there is an expectation
39 that a fire will become a long-term event, because of an opportunity to
40 use fire to achieve land management objectives, and/or the need to
41 adjust the level of engagement based on risks to responders, lack of
42 available resources and the level of risk toward values to be protected.

1 **II. During Incident Phase**

2 During incident phase focuses on a Seven (7) Step Risk Management Process:

- 3 1. Complete an incident risk assessment.
 - 4 ○ Develop an assessment of what is at risk (from preseason work,
 - 5 WFDSS values inventories, analytical tools and products, and/or input
 - 6 from key stakeholders), and the associated probabilities and potential
 - 7 consequences.
- 8 2. Complete a risk analysis.
 - 9 ○ Consider alternatives (objectives, strategies and tactics) against desired
 - 10 outcomes, risks to human life (responders and the public), probability
 - 11 of success and values to be protected.
- 12 3. Complete two-way risk communications.
 - 13 ○ Engage community leaders, local government officials, partners, and
 - 14 other key stakeholders of the incident to share the risk picture and enlist
 - 15 input.
- 16 4. Conduct risk-sharing dialogue.
 - 17 ○ Engage appropriate senior line officers and political appointees (as
 - 18 necessary) regarding the potential decision aimed at obtaining
 - 19 understanding, acceptance, and support for the alternatives and likely
 - 20 decision.
- 21 5. Make the risk-informed decision.
- 22 6. Document the risk: assessment, analysis, communication, sharing and
- 23 decision in WFDSS.
- 24 7. Continue monitoring and adjusting as necessary or as conditions change.

25 **III. Post Incident Phase**

26 As a learning organization we should always strive to improve how we conduct
27 our business. We should endeavor to learn from each incident and apply those
28 lessons.

- 29 • Complete an incident after action review.
 - 30 ○ Engage key stakeholders of the incident to be involved.
 - 31 ○ Review what worked, what did not work and suggestions for
 - 32 improvement.
 - 33 ○ If a WFDSS decision was necessary, evaluate decision quality and
 - 34 workflow and determine steps necessary to improve.
- 35 • Conduct a peer review after action process.
 - 36 ○ Engage others who have had similar incidents to learn strategies for
 - 37 improvement.
- 38 • Implement plans for improvement.
 - 39 ○ Make use of lessons learned in real-time if possible.

40 The following Risk Assessment and Risk Decision questions are designed to
41 inform fire management decisions by stimulating thinking and prompting
42 dialogue, analyzing and assessing risk, and recognizing shared risks and
43 communicating those risks within the Agency and with partners and
44 stakeholders.

- 1 • Risk Assessment
- 2 1. What are the critical values at risk?
- 3 2. What is the chance the critical values will be impacted, and if so what
- 4 are the consequences?
- 5 3. What are the opportunities to manage fire to meet land management
- 6 objectives?
- 7 4. What are the possible low probability/high consequence events?
- 8 5. Who are the stakeholders that should be consulted prior to making a
- 9 decision?
- 10 • Risk Decision
- 11 1. What alternatives (objectives, strategies, and tactics) are being
- 12 considered?
- 13 2. What is the relative exposure of responders for the alternatives being
- 14 considered (exposure in terms of numbers of responders needed,
- 15 amount of time (days) of commitment needed to accomplish the
- 16 objectives and the amount and types of risks these responders will be
- 17 asked to accept if the alternative is chosen)?
- 18 3. What is the relative probability of success associated with the
- 19 alternatives being considered?
- 20 4. What alternative provides for the best balance between the desired
- 21 outcome and risk to responders?
- 22 5. What are the critical thresholds that will trigger reconsideration of the
- 23 proposed alternative and how will they be monitored?

24 **Specific Line Officer Responsibilities for Fire and Aviation at the Field**

25 **Level**

26 The Forest Service has developed core fire management competencies for Line
27 Officers with oversight responsibilities over fire management programs. They
28 are presented here for reference:

- 29 • Knowledge of fire program management including ability to integrate fire
- 30 and fuels management across all program areas and functions;
- 31 • Ability to implement fire management strategies and integrate natural
- 32 resource concerns into collaborative community protection and ecosystem
- 33 restoration strategies;
- 34 • Knowledge to oversee a fire management program including budget,
- 35 preparedness, prevention, suppression, and hazardous fuels reduction;
- 36 • Ability to serve as an Agency Administrator exercising authority to initiate
- 37 prescribed fire and other hazardous fuel reduction activities;
- 38 • Ability to serve as an Agency Administrator during an incident on an
- 39 assigned unit; and
- 40 • Ability to provide a fully staffed, highly qualified, and diversified
- 41 firefighting workforce that exists in a “life first” and “readiness”
- 42 environment.

1 Responsibilities

- 2 • Line Officers are responsible for all aspects of fire management.
- 3 • Integrate fire and fuels management across all functional areas.
- 4 • Implement fire management strategies and integrate natural resource
- 5 concerns into collaborative community protection and ecosystem restoration
- 6 strategies on the unit.
- 7 • Manage a budget that includes fire preparedness, prevention, suppression,
- 8 and hazardous fuels in an annual program of work for the unit.
- 9 • Perform duties of Agency Administrator and maintain those qualifications.
- 10 • Provide a fully staffed, highly qualified, and diverse workforce in a "safety
- 11 first" environment.
- 12 • Support and participate in wildfire prevention.
- 13 • Ensure operational fire management responsibilities remain separated from
- 14 agency administrator responsibilities in order to avoid collateral duty
- 15 conflicts.

16 These responsibilities are based on current policy and provide program guidance
17 to ensure safe, consistent, efficient, and effective fire and aviation operations.

18 Preparedness

19 Preparedness is a continuous process that includes all fire management activities
20 conducted in advance of wildfire ignitions to ensure an appropriate, risk
21 informed and effective wildfire response to meet National and Agency goals.

- 22 • Take all necessary and prudent actions to ensure firefighter and public
- 23 safety.
- 24 • Ensure sufficient qualified fire and non-fire personnel are available to
- 25 support fire operations at a level commensurate with the local and national
- 26 fire situation.
- 27 • Ensure accurate position descriptions are developed and reflect the
- 28 complexity of the unit. Individual Development Plans promote and enhance
- 29 FMO currency and development.
- 30 • Provide a written Delegation of Authority to FMOs that provides an
- 31 adequate level of operational authority at the unit level. Include Multi-
- 32 Agency Coordinating (MAC) Group authority, as appropriate.
- 33 • Ensure the plans contained in the Fire Management Reference System
- 34 (FMRS) are based on resource objectives found in the LRMP.
- 35 • Ensure budget requests and allocations reflect preparedness requirements
- 36 from the program of work and support objectives from the LRMP.
- 37 • Develop preparedness standards that are in compliance with agency fire
- 38 policies.
- 39 • Management teams meet once a year to review fire and aviation policies,
- 40 roles, responsibilities, and delegations of authority. Specifically address
- 41 oversight and management controls, critical safety issues, and high-risk
- 42 situations such as transfers of incident command, periods of multiple fire
- 43 activity, and Red Flag Warnings.

- 1 • Ensure fire and aviation preparedness reviews are conducted each year and
2 include the key components of the record of decision for the nationwide
3 aerial application of fire retardant on National Forest System land.
- 4 • Meet annually with cooperators and review interagency agreements to
5 ensure their continued effectiveness and efficiency.
- 6 • Meet annually with local US Fish and Wildlife Service and NOAA
7 Fisheries specialists to ensure the avoidance maps reflect changes during
8 the year on additional species or changes made for designated critical
9 habitat, and reporting and monitoring guidelines are still valid and being
10 applied.

11 **Wildfire Response**

- 12 • Ensure use of fire funds is in compliance with Agency policies.
- 13 • WFDSS will be used to develop, approve and publish decisions on all fires.
14 As appropriate, use analytical tools and products to INFORM and support
15 decision-making. See Chapter 11 for the fire criteria that require a published
16 decision.
- 17 • Personally attend reviews on Type 1 and Type 2 fires. Ensure Agency
18 Administrator representatives are assigned when appropriate.
- 19 • Provide incident management objectives, written delegations of authority,
20 leader's intent and a complete Agency Administrator briefing to Incident
21 Management Teams.
- 22 • Ensure briefings include any applicable information for avoidance areas and
23 waterways per the nationwide aerial application of fire retardant direction,
24 mapping, and cultural resources. Include the reporting requirements in the
25 briefing if a misapplication of fire chemical occurs. Provide resource
26 advisors if the use of aerially applied fire retardant is expected and the unit
27 has mapped avoidance areas (which include waterways and 300' or larger
28 buffers) and otherwise evaluate the need for resource advisors for all other
29 fires, and assign as appropriate.
- 30 • For all unplanned human-caused fires where responsibility can be
31 determined, ensure actions are initiated to recover cost of suppression
32 activities, land rehabilitation, damages to the resource, and improvements.
- 33 • Ensure structure exposure protection principles are followed (FSM 5135).
- 34 • Ensure that a sufficient number of incident after action reviews are
35 conducted for Type 3, 4, and 5 wildfires to adequately assess the unit's
36 wildfire response capability, performance, procedures and to enhance
37 learning.

38 **Wildfire Response Responsibilities and Oversight**

- 39 • Agency Administrators will ensure that all Forest Service employees and
40 employees of interagency partners working on Forest Service jurisdiction
41 wildfires clearly understand direction.
- 42 • Agency Administrators must approve and publish decisions in WFDSS in a
43 timely manner and issue delegations of authority to the Incident
44 Commander in accordance with FSM 5133.3.

- 1 • Analytical tools and/or products both within WFDSS and outside of the
- 2 application should be used to inform and support strategic decision-making
- 3 and risk assessment inputs.
- 4 • Line Officers will assign Agency Administrators to oversee incidents based
- 5 on Certification Level according to incident type.

Incident Type	USFS AA Certification Level to Approve WFDSS Decisions & Provide Incident Oversight ¹
Type 1	Advanced level
Type 2	Journey level
Type 3, 4, 5	Working level

¹Authority may be retained at the Regional Forester level.

- 6 • Critical long duration wildfire oversight roles include ensuring that:
 - 7 ○ Up-to-date Published Decisions are completed and documented in
 - 8 WFDSS.
 - 9 ○ Hazards are identified and risk assessments are incorporated into
 - 10 Published Decisions.
 - 11 ○ Coordination with partners and potentially affected parties is conducted
 - 12 (including smoke impacts); Unified Command is implemented early
 - 13 when appropriate.
 - 14 ○ Resource capacity and availability are adequately assessed to meet
 - 15 expectations.
- 16 • This oversight role should address concerns of the states, cooperators, and
- 17 the public including air quality impacts from multiple wildfires.

18 Safety

- 19 • Review safety policies, procedures, and concerns with field fire and
- 20 aviation personnel.
- 21 • Ensure timely follow-up actions to program reviews, fire preparedness
- 22 reviews, fire and aviation safety reviews, and management reviews.
- 23 • Monitor the fire situation and provide oversight during periods of critical
- 24 fire activity and situations of high risk.
- 25 • Ensure there is adequate direction in fire management plans to maintain fire
- 26 danger awareness.
- 27 • Take appropriate actions with escalating fire potential.
- 28 • Ensure appropriate investigation or Lessons Learned analyses are conducted
- 29 for incidents, entrapments, and serious accidents (see FSM 6730).

30 Fuels

- 31 • Plan and implement a hazardous fuels management and prescribed fire
- 32 program applying principles and policy elements described in FSM 5100
- 33 and 5140 and guided by the goals described in the National Cohesive
- 34 Wildland Fire Strategy.
- 35 • Complete a fuels treatment effectiveness assessment on all wildfires which
- 36 start in or burn into a fuel treatment area.

- 1 • Enter results of the assessment into the Fuels Treatment Effectiveness
2 Monitoring (FTEM) database within 90 days of control of a fire. The FTEM
3 database is located within the Interagency Fuels Treatment Decision
4 Support System at the following website:
5 https://iftdss.firenet.gov/landing_page/. Links to optional reporting
6 templates and other information related to the FTEM reporting requirement
7 can be found at: <http://fsweb.wo.fs.fed.us/fire/fam/fuels/hazardous.html>.
8 • Use the Interagency Fuels Treatment Decision Support System (IFTDSS) to
9 assist with fuels planning, prescribed burn development, risk analysis, etc.
10 https://iftdss.firenet.gov/landing_page/.

11 **Prescribed Fire**

- 12 • Provide program leadership by visiting prescribed fire treatment projects
13 and providing leader's intent to prescribed fire personnel.
- 14 • Ensure compliance with National and Regional Office policy and direction
15 for prescribed fire activities and ensure that periodic reviews and
16 inspections of the prescribed fire program are completed.
- 17 • Coordinate prescribed fire program activities with Regional air quality
18 specialists and federal, state, Tribal, air pollution control district or county
19 regulatory authorities to ensure compliance with their regulations supported
20 by the Clean Air Act.
- 21 • When multiple wildland fire events are occurring within an airshed, or any
22 airshed is impacted by ongoing wildland fire events, fire managers will
23 consider the cumulative impact to air quality. Initiation of new prescribed
24 fire must be in compliance with air quality regulations and standards.
- 25 • All prescribed fires should be conducted using Basic Smoke Management
26 Practices. USDA Natural Resources Conservation Service and Forest
27 Service Technical Note (2011).
28 <https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/air/>
- 29 • Ensure a Prescribed Fire Plan is written and approved for each project prior
30 to implementation in accordance with the *Interagency Prescribed Fire*
31 *Planning and Implementation Procedures Guide* (PMS 484) available at
32 <https://www.nwcg.gov/publications/484>.
- 33 • Review and approve Prescribed Fire Plans and ignitions:
 - 34 ○ Engage in the development of the Complexity Analysis; review and
35 approve the final complexity rating.
 - 36 ○ Ensure that the prescribed fire plan has been reviewed and
37 recommended by a qualified technical reviewer.
 - 38 ○ Ensure that prescribed fire plans are designed to achieve desired
39 conditions as described in Land and Resource Management Plans and
40 project-specific NEPA decision document.
 - 41 ○ Approve prescribed fire plan amendments and determine the need for
42 additional technical review of proposed plan amendments prior to
43 approval.

- 1 ○ If more than one year has elapsed since a prescribed fire plan was last
- 2 approved, the plan will be reviewed, updated as necessary, and re-
- 3 approved before implementation.
- 4 ○ Authorize ignition of prescribed fire as delegated and adhere to
- 5 procedures as described in FSM 5140 for Regional and/or National
- 6 level approvals for initiation of new and continued prescribed fire
- 7 activities at National Preparedness levels 4 and 5 or when forecast
- 8 National Fire Danger Rating System adjective ratings are at “Extreme”
- 9 category.
- 10 ● Use Analytical tools such as IFTDSS - Interagency Fuels Treatment
- 11 Decision Support System, to assist with treatment options, fire behavior
- 12 potential, prescribed burning prescriptions, and values at risk to help inform
- 13 fuels planning efforts and implementation options.
- 14 ● Report all instances of prescribed fires resulting in a wildfire declaration
- 15 and/or air quality Notice-of-Violation as required in FSM 5140.

16 **Agency Administrator Training and Certifications for Wildland Fire**

17 **Management**

18 There are two separate and distinct certifications that agency administrators
19 must attain related to fire management, one for wildfire decision making and
20 one for prescribed fire. The training and experience requirements and
21 certification process for both wildfire and prescribed fire are described below.

22 **Agency Administrator Core Competencies**

23 Core competencies that must be demonstrated by Agency Administrators
24 exercising decision-making authority for wildfires or prescribed fires include:

- 25 ● Risk Management
- 26 ● Wildfire response and incident management processes
- 27 ● WFDSS/IFTDSS and other decision support tools
- 28 ● Fuels management and prescribed fire processes
- 29 ● Fire Prevention, mitigation, and education processes
- 30 ● Social, political, economic and environmental impacts of wildland fire
- 31 management activities
- 32 ● Collaboration with partners and stakeholders
- 33 ● Fiscal management

34 These core competencies form the basis for the Agency Administrator Task
35 Book which is used to document that an individual has indeed demonstrated
36 these competencies while working toward certification. For access to the Task
37 Book, Pathways Chart and additional information on the Forest Service Agency
38 Administrator Fire Certification Programs, visit the Agency Administrator
39 Toolbox at <https://wfmrda.nwecg.gov>.

1 **Definitions**

2 **Agency Administrator:** A general term meaning the official with the delegated
3 authority, responsibility, and qualifications for decision-making on incidents or
4 prescribed fire within a particular administrative unit.

5 **Agency Administrator Representative:** A representative that carries out
6 Agency Administrator roles and responsibilities as delegated.

7 **Agency Administrator Trainee:** An Agency Administrator working on
8 certification at any given level by performing the role under the supervision and
9 authority of a fully qualified Agency Administrator.

10 **Coach:** A fully qualified Agency Administrator certified at an experience level
11 commensurate with the incident or project being managed (e.g., journey or
12 advanced for wildfire and moderate or high for prescribed fire). The role of the
13 coach is to advise and support the agency administrator trainee through various
14 aspects of a wildfire incident, prescribed fire or all hazard incident.

15 **Coach/Shadow Team:** A team comprised of a qualified Coach and group of
16 Shadows who may travel to multiple incidents and support sites to increase their
17 level of understanding.

18 **Line Officer:** A Forest Service official who serves in a direct line of command
19 from the Chief and has been delegated authority to make and execute decisions
20 for their administrative unit(s). Examples are the deputy chiefs, Director of Law
21 Enforcement and Investigations, regional foresters, station directors, forest
22 supervisors, and district rangers. Line officers have authority to issue direction
23 within delegated levels.

24 **Shadow:** A learning opportunity to observe various elements of a fire program.
25 This position does not perform the duties of an Agency Administrator but
26 observes a qualified AA during an incident for the purpose of increasing
27 understanding of the duties. The shadow may participate as an individual or part
28 of a group of trainees. It is an observational learning assignment; certification
29 recommendations should be reserved for active trainee assignments where tasks
30 are being performed, however certain aspects of the task book may be
31 accomplished during the assignment.

32 **Agency Administrator Wildfire Certification Program**

33 The following principles will guide certification of Agency Administrators in
34 wildfire management:

- 35 • Regional Foresters are accountable for annual certification of Agency
36 Administrators by review process established by Regional Forester, such as
37 Regional Line Officer Team;
- 38 • Agency Administrator evaluation includes standards for training,
39 background and experience, demonstrated ability, and utilizing the Task
40 Book and Wildfire Pathways Chart which will result in a qualitative
41 evaluation of readiness by the Regional Forester;

- 1 • When the complexity level of a wildfire exceeds an Agency Administrator’s
2 certification, a coach will be assigned;
- 3 • Care should be taken when assigning Acting AAs to ensure operational fire
4 management responsibilities remain separated from agency administrator
5 responsibilities in order to avoid collateral duty conflicts;
- 6 • Agency Administrator competencies (aka certification level) supersedes
7 position (e.g., a District Ranger certified at the Advanced Level may be the
8 AA for a Type I Incident);
- 9 • This certification program will be periodically evaluated and updated as
10 needed. When changes are made in training requirements, the Regional
11 Forester may choose to “grandfather” Agency Administrators thereby
12 maintaining their existing certification level; however, the updated training
13 requirements must be met before advancement to the next level or before
14 recertification after a lapse in currency;
- 15 • Assistance with decision documentation and analysis can be requested
16 through the Wildland Fire Management RD&A – National Fire Decision
17 Support Center (NFDSC); and
- 18 • The Coaching/Shadowing functions, to be administered by each region, is
19 an integral part of this certification program.

20 **Agency Administrators will be evaluated in three basic areas:**

- 21 • Training;
- 22 • Background and experience; and
- 23 • Demonstrated understanding of concepts and principles as outlined in the
24 Task Book.

25 This certification program is a multi-level process where Agency Administrators
26 demonstrate competence in one of three levels of managing wildfires. Those
27 levels would be Working, Journey, and Advanced.

28 **Guidelines**

29 In consideration of the appropriate level (Working, Journey, Advanced) to
30 assign an Agency Administrator, the Regional Forester should consider the
31 following guidelines:

- 32 • For individuals that do not meet at least the Working Level, a coach will be
33 assigned to support that Agency Administrator in managing Type 3 or
34 higher wildfire incidents.

35 **Working Level** – The Agency Administrator could manage a Type 3, 4 or 5
36 wildfire or similar complexity incident. The Agency Administrator must meet
37 the following in order to be certified at the Working Level:

- 38 • **Required Training:** *Risk Management 101*; M-581, *Fire Program*
39 *Management, an Overview*, or Agency Administrators Prescribed Fire
40 Workshop at the Prescribed Fire Training Center (recommended for AAs
41 seeking more hands-on prescribed fire experience), and WFDSS training –
42 WFDSS Refresher Topics located on the Agency Administrator Toolbox.
43 <https://wfmrda.nwcg.gov>

- 1 • **Required Background and Experience:**
2 ○ Successful management of a minimum of one Type 3 or higher fire.
3 Consider duration, complexity and size of the fire.
- 4 • **Other Background, Experience, and Training That Supports:**
5 ○ Applicable experience in prescribed fire, wildfire, all-hazard or other
6 incident oversight may also be considered in addition to other
7 guidelines.
8 ○ Management oversight of a moderate-high complexity fire program.
- 9 • **Demonstrated Ability:** Successful evaluation by a coach (including
10 feedback from ICs or ACs) that the candidate has demonstrated
11 understanding and application of the responsibilities of an Agency
12 Administrator Trainee. Use AA Task Book to document.
- 13 **Journey Level** – The Agency Administrator could manage Type 2 or lower
14 complexity fires or similar incidents. The Agency Administrator needs to be
15 certified at the Working Level and meet the following to become certified at the
16 Journey Level:
- 17 • **Required Training:** *Risk Management 101*; M-581, *Fire Program*
18 *Management, an Overview*, or Agency Administrators Prescribed Fire
19 Workshop at the Prescribed Fire Training Center (recommended for AAs
20 seeking more hands-on prescribed fire experience); at least one continuing
21 education course in fireline leadership/decision-making. Pathways diagram
22 and resources can be found on the Agency Administrator Toolbox.
23 <https://wfmrda.nwcg.gov>
- 24 • **Required Background and Experience:**
25 ○ Successful management of a minimum of one Type 2 fire or similar
26 complexity incident. Duration, complexity and size of the fire should
27 be considered.
- 28 • **Other Background, Experience, and Training That Supports:**
29 ○ Applicable experience in prescribed fire, wildfire, all-hazard or other
30 incident oversight may also be considered in addition to other
31 guidelines.
32 ○ Management oversight of a moderate-high complexity fire program.
- 33 • **Demonstrated Ability:** Successful evaluation by a coach (including
34 feedback from ICs or ACs) that the candidate has demonstrated
35 understanding and application of the responsibilities of an Agency
36 Administrator. Use AA Task Book to document.
- 37 **Advanced Level** – The Agency Administrator could manage one or more Type
38 1 wildfire or similar complexity incidents. The Agency Administrator needs to
39 be certified at the Journey Level, and meet the following to become certified at
40 the Advanced Level:
- 41 • **Required Training:** *Risk Management 101*; M-582, *Fire Program*
42 *Management, Leading Complex Fire Programs*, or Agency Administrators
43 Prescribed Fire Workshop at the Prescribed Fire Training Center
44 (recommended for AAs seeking more hands-on prescribed fire experience);

- 1 at least one continuing education course in fireline leadership/decision-
2 making. Pathways diagram and resources can be found on the Agency
3 Administrator Toolbox. <https://wfmrda.nwcg.gov>
- 4 • **Required Background and Experience:**
 - 5 ○ Successful management of one Type 1 wildfire or similar complexity
6 incident. Duration, complexity, and size of the fires should be
7 considered.
 - 8 • **Other Background, Experience, and Training That Supports:**
 - 9 ○ Applicable experience in prescribed fire, wildfire, all-hazard or other
10 incident oversight may also be considered in addition to other
11 guidelines.
 - 12 ○ Management oversight of a moderate to high-complexity fire program.
 - 13 • **Demonstrated Ability:** Successful evaluation by a coach (including
14 feedback from ICs or ACs) that the candidate has demonstrated
15 understanding and application of the responsibilities of an Agency
16 Administrator on large complex fires. Use AA Task Book to document.
- 17 **Evaluation Process**
- 18 • Every trainee will receive an evaluation from a certified Agency
19 Administrator/Agency Administrator Representative or coach using the
20 Agency Administrator Task Book identified in the *Line Officer/Agency*
21 *Administrator Desk Reference for Fire Program Management*.
 - 22 • Individuals involved in a shadow assignment should receive creditable
23 experience through documentation.
 - 24 • The purpose of the Task Book is to provide consistency for the Agency
25 Administrator Coach/Evaluator to evaluate trainees and document their
26 demonstrated abilities to achieve the core competencies, which will be used
27 as a component to achieve the next level certification.
 - 28 • Every trainee will complete a Task Book for evaluation from an Agency
29 Administrator.
- 30 Training opportunities and work experiences to achieve and maintain core
31 competencies:
- 32 • Refer to the pathways chart found in the Agency Administrator Toolbox.
33 <https://wfmrda.nwcg.gov>
- 34 **Currency**
- 35 Currency is certified annually by the Regional Forester for frequency of
36 demonstrated exercise of Core Competencies through activities such as those
37 described above or assignments as Agency Administrator on incidents of
38 appropriate level within a three-year interval.
- 39 **Guidance on the Selection of Coaches**
- 40 See Coach/Shadow guide in the Agency Administrator Toolbox.
41 <https://wfmrda.nwcg.gov>

1 Agency Administrator Prescribed Fire Certification

2 The following principles will guide certification of Agency Administrators (AA)
3 for prescribed fire:

- 4 • Regional Foresters are accountable for annual certification of AAs to
5 approve and authorize prescribed fire.
- 6 • Agency Administrator evaluation includes standards for training,
7 background and experience, and demonstrated ability, which will result in a
8 qualitative evaluation of readiness by the Regional Forester.
- 9 • When the complexity level of a prescribed fire exceeds an AAs
10 certification, an appropriately certified AA will be assigned and must
11 approve the complexity analysis and the burn plan along with the AA being
12 mentored/coached.
- 13 • The authorization to ignite a prescribed fire must be approved by an
14 appropriately certified AA; however, the Line Officer with authority over
15 their assigned unit will also retain authority to authorize or prohibit the
16 ignition based on their judgement regardless of their certification level.
- 17 • Care should be taken when assigning Acting AAs to ensure operational fire
18 management responsibilities remain separate from AA responsibilities in
19 order to avoid collateral duty conflicts.
- 20 • This certification program will be periodically evaluated and updated as
21 needed; when changes are made in training requirements, the Regional
22 Forester may choose to “grandfather” AAs thereby maintaining their
23 existing certification level, however the updated training requirements must
24 be met before advancement to the next level or before recertification after a
25 lapse in currency.
- 26 • The Coach/Shadow functions, to be administered by each region, is an
27 integral part of this certification program.

28 Agency Administrators will be evaluated in three basic areas:

- 29 • Training;
- 30 • Background and experience; and
- 31 • Demonstrated understanding of concepts and principles.

32 This certification program is a multi-level process where Agency Administrators
33 demonstrate competence in one of three levels of prescribed fire complexity.
34 Those levels are Low, Moderate, and High.

35 Guidelines

36 In consideration of the appropriate qualification level (Low, Moderate, or High)
37 to certify an Agency Administrator, the Regional Forester should consider the
38 following guidelines:

39 Low Complexity Level

40 The Agency Administrator can review, approve, authorize and provide oversight
41 for the management of low complexity prescribed fires. The Agency
42 Administrator Trainee must meet the following in order to be certified at the
43 Low Complexity level:

- 1 • **Required Training:** M-581, *Fire Program Management, an Overview*, or
2 Agency Administrators Prescribed Fire Workshop at the Prescribed Fire
3 Training Center (recommended for AAs seeking more hands-on prescribed
4 fire experience).
- 5 • **Required Background and Experience:** Successful management of a
6 minimum of one (1) Low Complexity prescribed fire, or one or more low
7 complexity wildfires (Type 4 or 5).
- 8 • **Other Background, Experience, and Training That Supports:**
 - 9 ○ Applicable experience in prescribed fire, wildfire, all-hazard or other
10 incident or project oversight may also be considered in addition to other
11 guidelines.
 - 12 ○ Management oversight of a low-complexity fire program.
- 13 • **Demonstrated Ability:** Successful evaluation by a coach (including
14 feedback from FMO/Fire Staff/Director) that the candidate has
15 demonstrated understanding and application of the responsibilities of an
16 Agency Administrator on smaller low-complexity prescribed fires with a
17 basic understanding of the elements of the core competencies. Use AA Task
18 Book to document.

19 **Moderate Complexity Level**

20 The Agency Administrator can review, approve, authorize and provide oversight
21 for the management of moderate complexity prescribed fires. The Agency
22 Administrator Trainee needs to be certified at the Low Complexity Level and
23 meet the following to become certified at the Moderate Complexity level:

- 24 • **Required Training:** *Risk Management 101*. Pathways diagram and
25 resources can be found on the Agency Administrator Toolbox.
26 <https://wfmrda.nwcg.gov>
- 27 • **Required Background and Experience:** Successfully review and approve
28 one (1) or more prescribed fire plans at a moderate complexity level and
29 authorize and provide oversight for the ignition of three (3) or more
30 individual burn units under a moderate complexity plan, and complete a
31 minimum of (1) post-burn review of a moderate complexity prescribed fire.
- 32 • **Other Background, Experience, and Training That Supports:**
 - 33 ○ Applicable experience in wildfire, all-hazard or other incident oversight
34 may also be considered in lieu of other guidelines.
 - 35 ○ Management oversight of a moderately complex prescribed fire
36 program, providing for a workforce with appropriate training and
37 equipment, NEPA compliance and project planning, social/political
38 considerations, smoke management, public information, etc.
- 39 • **Demonstrated Ability:** Successful evaluation by a supervisor or coach
40 (including feedback from FMO/Fire Staff/Director) that the candidate has
41 demonstrated understanding and application of the responsibilities of an
42 Agency Administrator on moderate complexity prescribed fires with an
43 understanding of the core competencies and other elements that may be
44 relevant.

1 **High Complexity Level**

2 The Agency Administrator can review, approve, authorize and provide oversight
3 for the management of high complexity prescribed fires. The Agency
4 Administrator Trainee needs to be certified at the Moderate Complexity Level,
5 and meet the following to become certified at the High Complexity Level:

- 6 • **Required Training:** *Risk Management 101; M-582, Fire Program*
7 *Management, Leading Complex Fire Programs*; at least one continuing
8 education course in fireline leadership/decision-making. Pathways diagram
9 and resources can be found on the Agency Administrator Toolbox.
10 <https://wfmrda.nwcg.gov>
- 11 • **Required Background and Experience:** Successfully review and approve
12 one (1) or more prescribed fire plans at a high complexity level and
13 authorize and provide oversight for the ignition of one (1) or more burn
14 units under a high complexity prescribed fire plan and, complete a
15 minimum of one (1) post-burn review of a high complexity prescribed fire.
- 16 • **Other Background, Experience, and Training That Supports:**
 - 17 ○ Applicable experience in prescribed fire, wildfire, all-hazard or other
18 incident oversight may also be considered in lieu of other guidelines.
 - 19 ○ Management oversight of a moderate to high complexity prescribed fire
20 program, providing for a workforce with appropriate training and
21 equipment, NEPA compliance and project planning, social/political
22 considerations, smoke management, public information, etc.
- 23 • **Demonstrated Ability:** Successful evaluation by an Agency Administrator
24 or coach (including feedback from FMO/Fire Staff/Director) that the
25 candidate has demonstrated understanding and application of the
26 responsibilities of an Agency Administrator on large complex fires in the
27 core competencies, and other elements that may be relevant.

28 **Evaluation Process**

- 29 • Every trainee will receive an evaluation from a certified Agency
30 Administrator or coach using the Agency Administrator Task Book.
- 31 • Individuals involved in a shadow assignment should receive creditable
32 experience through documentation.

33 Refer to the pathways chart found in the Agency Administrator Toolbox.
34 <https://wfmrda.nwcg.gov>

35 Training opportunities to achieve and maintain core competencies:

- 36 • Upper levels of fire leadership and fire management courses;
- 37 • Function as the Agency Administrator in sand table exercises and training
38 simulations;
- 39 • Participate in prescribed fire and fire management training such as RX-410
40 and RX-510;
- 41 • Act as a member or leader for a team assigned to review a Declared
42 Wildfire or Violation of Air Quality Standards;

- 1 • Attendance/Participation in RT-300, *Prescribed Fire Burn Boss Refresher*
- 2 training;
- 3 • Participate in prescribed fires and/or attend prescribed fire training; and
- 4 • Participate in other leadership and/or decision-making training.

5 **Currency**

- 6 Currency is certified annually by the Regional Forester for frequency of
7 demonstrated exercise of Core Competencies through activities such as those
8 described above or assignments as Agency Administrator on incidents of
9 appropriate level within a three-year interval.

10 **Guidance on the Selection of Coaches**

- 11 Refer to the pathways chart found in the Agency Administrator Toolbox.
12 <https://wfmrda.nwcg.gov>

13 **Specific Fire Management Staff Responsibilities for Fire Operations at the** 14 **Field Level**

15 **Preparedness**

- 16 • Use sound risk management practices as the foundation for all aspects of
17 fire and aviation management.
- 18 • Ensure that only trained and qualified personnel are assigned to fire and
19 aviation duties.
- 20 • Develop, implement, evaluate, and document fire and aviation training
21 program to meet current and anticipated needs.
- 22 • Establish an effective process to gather, evaluate, and communicate
23 information to managers, supervisors, and employees. Ensure clear concise
24 communications are maintained at all levels.
- 25 • Ensure fire and aviation management staffs understand their roles,
26 responsibilities, authority, and accountability.
- 27 • Develop and maintain effective communication with the public and
28 cooperators.
- 29 • Regardless of funding level, provide a safe, effective, and efficient fire
30 management program.
- 31 • Organize, train, equip, and direct a qualified work force. An Individual
32 Development Plan (IDP) must be provided for incumbents who do not meet
33 new standards. Establish qualification review process.
- 34 • Take appropriate action when performance is exceptional or deficient.
- 35 • Ensure fire and aviation policies are understood, followed, and coordinated
36 with other agencies as appropriate.
- 37 • Ensure that adequate resources are available to implement fire management
38 operations.
- 39 • Provide fire personnel with adequate guidance, training, and decision-
40 making authority to ensure timely decisions.
- 41 • Develop and maintain agreements, operating plans, and contracts on an
42 interagency basis to increase effectiveness and efficiencies.

- 1 • Develop, maintain, and annually evaluate both the FMRS and Spatial Fire
2 Planning in WFDSS to ensure accuracy and validity.
- 3 • Ensure budget requests and allocations reflect preparedness requirements
4 from the program of work and support objectives from the LRMP.
- 5 • Develop and maintain current operational plans (e.g., dispatch, pre-attack,
6 prevention).
- 7 • Ensure that reports and records are properly completed and maintained.
- 8 • Ensure fiscal responsibility and accountability in planning and expenditures.
- 9 • Assess, identify, and implement program actions that effectively reduce
10 unwanted wildland fire ignitions and mitigate risks to life, property, and
11 resources.
- 12 • Work with cooperators to identify processes and procedures for providing
13 fire adapted communities within the wildland urban interface.

14 **Wildfire Response**

- 15 • Provide for and personally participate in periodic site visits to individual
16 incidents and projects.
- 17 • Utilize the Risk Complexity Assessment to ensure the proper level of
18 management is assigned to all incidents.
- 19 • Ensure incoming personnel and crews are briefed prior to fire and aviation
20 assignments.
- 21 • Coordinate the development of Published Decisions within WFDSS with
22 local unit staff specialists for all fires that escape initial attack.
- 23 • Ensure effective transfer of command of incident management occurs and
24 safety is considered in all functional areas.
- 25 • Monitor fire activity to anticipate and recognize when complexity levels
26 exceed program capabilities. Increase managerial and operational resources
27 to meet needs.
- 28 • Complete cost recovery actions when unplanned human-caused fires occur.
- 29 • Ensure structure exposure protection principles are followed.
- 30 • Ensure all misapplications of wildland fire chemicals are reported and
31 appropriate consultation conducted as needed (see Chapter 12).
- 32 • Ensure 5% assessment of fires less than 300 acres that had aerial fire
33 retardant used and have avoidance areas as a result of the record of decision
34 for the nationwide aerial application of fire retardant on National Forest
35 System land is completed and documented for misapplication reporting.
- 36 • Ensure all assessments of impacts to threatened and endangered species or
37 cultural resources are conducted by trained and qualified resource
38 personnel.

39 **Safety**

- 40 • Ensure completion of a Job Hazard Analysis (JHA) or Risk Assessment
41 (RA) for fire and fire aviation activities, and implement applicable risk
42 mitigation measures.

- 1 • Ensure work/rest and Length of Assignment guidelines are followed during
- 2 all fire and aviation activities. Deviations are approved and documented.
- 3 • Initiate, conduct, and/or participate in fire management related reviews and
- 4 investigations.
- 5 • Monitor fire season severity predictions, fire behavior, and fire activity
- 6 levels. Take appropriate actions to ensure safe, efficient, and effective
- 7 operations.

8 **Prescribed Fire**

- 9 • Ensure a written, approved burn plan exists for each prescribed fire project.
- 10 • Prepare and implement all prescribed fire plans in accordance with the
- 11 *Interagency Prescribed Fire Planning and Implementation Procedures*
- 12 *Guide* (PMS 484) available at <https://www.nwcg.gov/publications/484>.
- 13 • Ensure that the Prescribed Fire Burn Boss assigned to each project is
- 14 qualified at the appropriate level as determined by project complexity (see
- 15 the *Interagency Prescribed Fire Planning and Implementation Procedures*
- 16 *Guide* at <https://www.nwcg.gov/publications/484> for specific guidance).
- 17 • Responsibility for prescribed fires in patrol/mop-up status may be assigned
- 18 to the unit Duty Officer (see below) until declared “out.” The DO may
- 19 assign either a Burn Boss or Incident Commander at a level commensurate
- 20 with expected activities to coordinate on-site actions (e.g., ICT5 for 1
- 21 engine to patrol). In the event that elements of the burn plan other than
- 22 patrol/mop-up (e.g., holding or contingency) become necessary, then an
- 23 appropriately qualified Burn Boss will be assigned to continue
- 24 implementation of the approved burn plan.
- 25 • Review and update all prescribed fire plans as necessary to comply with
- 26 policy or procedures and submit to agency administrator for review and
- 27 approval.
- 28 • Submit amendments to prescribed fire plans to the agency administrator for
- 29 approval.
- 30 • If more than one year has elapsed since approval, a prescribed fire plan will
- 31 be reviewed to ensure assumptions are still valid and conditions have not
- 32 changed, updated as necessary, and resubmitted to the agency administrator
- 33 for approval.

34 **Fire and Aviation Management (FAM) Duty Officer**

35 Each Forest or Grassland Fire Management Officer or Assistant Fire
36 Management Officer will perform the duties of a FAM Duty Officer (DO) for
37 their unit, or will provide a delegated DO, during any periods of predicted or
38 actual incident activity. Individuals performing as DO must have the approval of
39 the unit’s Agency Administrator and meet the minimum NWCG qualifications
40 as identified in the FS-FAQG Chapter 4. [https://www.fs.fed.us/managing-](https://www.fs.fed.us/managing-land/fire/publications)
41 [land/fire/publications](https://www.fs.fed.us/managing-land/fire/publications)

1 The required duties for all DOs are:

- 2 • Serve as the unit's primary contact with Dispatch for both on and off-unit
- 3 assignments.
- 4 • Monitor unit incident activity for compliance with Forest Service risk
- 5 management practices.
- 6 • Coordinate and set priorities for unit suppression actions and resource
- 7 allocation.
- 8 • Keep Agency Administrators, suppression resources, and information
- 9 officers informed of the current and expected situation.
- 10 • Plan for and implement actions required for future needs.
- 11 • Document key decisions and actions.

12 DOs will perform the above duties in addition to any unit specific duties
13 assigned by the unit's Agency Administrators or fire managers through a
14 delegation of authority or unit operating plan.

15 In the event that the DO is required to accept an incident assignment, the
16 outgoing DO must transition with another qualified and approved DO.

17 Use of District/Zone DOs is intended to manage span of control. When assigned
18 to the DO role, DOs will not concurrently perform any ICS command or
19 operational functions directly connected to an incident.

20 DO staffing levels may vary based on locally determined metrics such as fire
21 danger, local area Planning Level, predicted incident activity, prescribed fire
22 implementation, and/or span of control.

23 **Fire Management Position Requirements**

24 The *Interagency Fire Program Management Qualifications Standard (IFPM)*
25 and *Forest Service Fire Program Management Standard (FS-FPM)* will be used
26 in conjunction with specific agency requirements when filling vacant fire
27 program positions, and as an aid in developing Individual Development Plans
28 (IDPs) for employees.

29 **Structure Exposure Protection Principles**

30 **Mission and Role**

31 A significant role of the Forest Service is to manage natural resources on public
32 land, and management of wildfire is a primary mission in that role. Wildland
33 firefighter training, tools, and personal protective equipment are based on the
34 wildland environment. This does not prevent using wildland tactics in the
35 Wildland Urban Interface (WUI) when risks are mitigated. Wildland firefighter
36 training for the WUI, however, is centered on the concepts of preventing
37 wildfire from reaching areas of structures and/or reducing the intensity of fire
38 that does reach structures. Fire suppression actions on structures that are outside
39 federal jurisdiction, outside the scope of wildland firefighting training, or
40 beyond the capability of wildland firefighting resources are not appropriate roles
41 for the Forest Service.

1 Forest Service leadership will express clear and concise “leader’s intent” to
2 ensure structure protection assignments are managed safely, effectively, and
3 efficiently. Leaders are expected to operate under existing policies and doctrine
4 under normal conditions. Where conflicts occur, employees will be expected to
5 weigh the risk versus gain, and operate within the intent of Agency policy and
6 doctrine.

7 **Strategic Principles**

- 8 • The Forest Service actively supports creation of Firewise and Fire Adapted
9 Communities and structures that can survive wildfire without intervention.
10 We support the concept that property owners have primary responsibility
11 for reducing wildfire risks to their lands and assets.
- 12 • The Forest Service will actively work toward applying Firewise concepts to
13 all Forest Service owned structures, facilities, and permitted use to serve as
14 a model to publics and communities.
- 15 • The Forest Service will apply strategy and tactics to keep wildfires from
16 reaching structures, as prudent to do so, considering risk to firefighters and
17 publics, fire behavior, values at risk including natural resources, availability
18 of firefighting resources, and jurisdictional authorities.
- 19 • The use of wildland tactics in the WUI, when risks are mitigated, will be
20 based on the objectives of preventing wildfire from reaching areas of
21 structures and/or reducing the intensity of fire that does reach structures.
- 22 • Structure protection will be limited to the use of standard wildfire response
23 tactics including the use of standard equipment, fire control lines, and the
24 extinguishment of spot fires near or on the structure when safe and
25 practical.
- 26 • The Forest Service will be proactive in developing agreements with
27 interagency partners to clarify its structure protection policy.
- 28 • The Forest Service structure protection role is based on the assumption that
29 other Departments and agencies will fulfill their primary roles and
30 responsibilities. The Forest Service will not usurp individual, local, or state
31 responsibility for structure protection.
- 32 • Prior to task implementation, a specific structure protection role briefing
33 will be accomplished.

34 **Tactical Applications**

35 ***Structure Protection Definition***

36 Actions taken in advance of a fire reaching structures or other improvements are
37 intended to safely prevent the fire from damaging or destroying these values at
38 risk. For the Forest Service, structure protection involves the use of standard
39 wildland fire suppression tactics and control methods; including the use of
40 standard equipment, fire control lines, and the extinguishing of spot fires near or
41 on the structure when safe and practical.

42 ***USFS Role***

43 As documented in a Forest Service doctrinal principle, “Agency employees
44 respond when they come across situations where human life is immediately at

1 risk or there is a clear emergency, and they are capable of assisting without
2 undue risk to themselves or others.” This principle serves as a foundational basis
3 for the roles employees play in structure protection.

4 Pursuant to this “structure protection” policy provided above, Forest Service
5 personnel may engage support from other cooperators in structure protection
6 activities when 1) requested by local government under terms of an approved
7 cooperative agreement or 2) when operating within a unified command. The
8 agency is permitted, without agreement, to render emergency assistance to a
9 local government in suppressing wildland fires, and in preserving life and
10 property from the threat of fire, when properly trained and equipped agency
11 resources are the closest to the need, and there is adequate leadership to do so
12 safely. The agency will NOT routinely provide primary emergency response
13 (medical aids, fire suppression, HAZMAT, etc., as identified on “run cards” or
14 preplanned dispatch scenarios) nor will the agency supplant the local
15 government responsibility to do so.

16 The contents of a cooperative agreement will clearly define the responsibilities
17 of partners. Regarding structural fire protection, typical Forest Service
18 responsibilities in the case of mutual aid, initial attack, extended attack, or large
19 fire support include:

- 20 • To provide initial attack through extended attack actions consistent with
21 application of wildland fire strategy and tactics.
- 22 • To supply water in support of tribal, state or local agencies having
23 jurisdictional responsibility for the fire. This would include the use of water
24 tenders, portable pumps, hose, tanks, and supporting draft sites.
- 25 • To assist or supply foam or chemical suppressant capability with engines or
26 aerial application.
- 27 • To assist local authorities in the event of evacuations.
- 28 • To assist local authorities by assessing (triaging) structures for defensibility
29 from wildfire.
- 30 • To coordinate with local authorities on actions taken by Private Structure
31 Protection Companies.

32 As such, there should not be an expectation that the Forest Service will:

- 33 • “Wrap” or set up and administer sprinklers around privately owned
34 structures.
- 35 • Remove fuels immediately surrounding a structure such as brush,
36 landscaping, or firewood.

37 As addressed above, the Forest Service will apply strategy and tactics to keep
38 wildfires from reaching structures, as prudent to do so, considering risk
39 management for firefighters and publics, fire behavior, values at risk including
40 natural resources, availability of firefighting resources, and jurisdictional
41 authorities.

1 The Forest Service shall not:

- 2 • Take direct suppression actions on structures other than those that tactically
3 reduce the threat of fire spread to them.
- 4 • Enter structures or work on roofs of structures for the purpose of direct
5 suppression actions.

6 In consideration of Forest Service owned or leased structures outside of
7 structure fire protection areas these same policies apply. The use of Firewise
8 principles and aggressive fire prevention measures will be employed for Forest
9 Service structures at every opportunity.

10 If a Forest Service structure is determined to be at risk, “wrapping” or other
11 indirect protection methods for the structure can be authorized by the Agency
12 Administrator. Documentation of these decisions needs to be placed in the fire
13 documentation package and the unit files. Any employee engaged in “wrapping”
14 or other indirect methods of protection operations will be thoroughly briefed and
15 trained in correct safety and personal protection equipment procedures,
16 especially if the use of ladders or climbing on the structure is necessary. In any
17 case, the Forest Service holds that no structure is worth the risk of serious injury
18 to an employee in an attempt to protect that structure or facility from fire.

19 ***Local Government Role***

20 Local government has the responsibility for emergency response, including
21 structure protection, within their jurisdiction. This responsibility is usually found
22 within the fire agencies’ charter and is substantiated by tax dollar revenue (sales
23 and/or property tax).

24 ***Cost***

25 Local governments assume the financial responsibility for emergency response
26 activities, including structure protection, within their jurisdictions. Local
27 government will order resources deemed necessary to protect structures within
28 their jurisdiction. Local agencies will not be reimbursed for performing their
29 responsibilities within their jurisdiction.

30 ***Tactical Operating Principles***

31 When engaging in structure protection activities, as defined above, Forest
32 Service personnel will apply the following principles:

- 33 • The first priority for all risk-decisions is human survival, both of firefighters
34 and the public.
- 35 • Incident containment strategies specifically address and integrate protection
36 of defensible improved property and wildland values.
- 37 • Direct protection of improved property is undertaken when it is safe to do
38 so, when there are sufficient time and appropriate resources available, and
39 when the action directly contributes to achieving overall incident objectives.
- 40 • Firefighter decision to accept direction to engage in structure protection
41 actions is based on the determination that the property is defensible and the
42 risk to firefighters can be safely mitigated under the current or potential fire
43 conditions.

- 1 • A decision to delay or withdraw from structure protection operations is the
2 appropriate course of action when made in consideration of firefighter
3 safety, current or potential fire behavior, or defensibility of the structure or
4 groups of structures.
- 5 • Firefighters at all levels are responsible to make risk-decisions appropriate
6 to their individual knowledge, experience, training, and situational
7 awareness.
- 8 • Every firefighter is responsible to be aware of the factors that affect their
9 judgment and the decision-making process, including: a realistic perception
10 of their own knowledge, skills, and abilities, the presence of life threat or
11 structures, fire behavior, availability of resources, social/political pressures,
12 mission focus, and personal distractions such as home, work, health, and
13 fatigue.
- 14 • An individual's ability to assimilate all available factors affecting
15 situational awareness is limited in a dynamic wildland urban interface fire
16 environment. Every firefighter is responsible to understand and recognize
17 these limitations, and to apply experience, training and personal judgment
18 to observe, orient, decide, and act in preparation for the "worst case."
- 19 • It is the responsibility of every firefighter to participate in the flow of
20 information with supervisors, subordinates, and peers. Clear and concise
21 communication is essential to overcome limitations in situational
22 awareness.