

Executive Summary of Changes

Global Changes

- Updated National Interagency Fire Center (NIFC), Department of Interior, and agency-specific web addresses.
- Removed Resource Ordering and Status System (ROSS) and inserted Interagency Resource Ordering Capability (IROC).
- Corrected National Wildfire Coordinating Group (NWCG) publication titles.
- Removed “ISuite,” and inserted, “e-ISuite.”

Chapter 1 – Federal Wildland Fire Management Policy and Doctrine Overview

- No substantial changes.

Chapter 2 – BLM

- Inserted the phone number for the Fire and Aviation Directorate EEO Manager under heading “Sexual Harassment, Harassment Non-Sexual and Illegal Discrimination.”
- Inserted new heading “Fire Leadership Team (FLT)” and associated text.
- Removed bullets under heading “State and National Duty Officers” referencing the Asset Intelligence Spreadsheet.
- Inserted text under subheading “600-Class Command Vehicle Procurement Standards” regarding, “FPDSS funded hotshot crew: 652 or 658 Superintendent Truck (1 each), 644 Crew Carrier 10 passenger (2 each), 652 or 658 (one-ton or greater) Chase/Utility Truck 1 each, (optional) Utility Task Vehicle and trailer (1 each). Host units are responsible for the cost of individual vehicle options above the base models.”
- Inserted new subheading “Location Based Services (LBS)” and associated text.
- Under heading “BLM Firefighter Mandatory Physical Fitness Standards”:
 - Removed “Student Career Experience Program (SCEP)” text.
 - Clarified text regarding, “Employees serving in wildland fire positions that require a fitness rating of arduous as a condition of employment are *required* to perform physical fitness conditioning for one hour of duty time each work day while in pay status.”
 - Clarified text that, “BLM employees funded by fire preparedness and/or fuels who do not require a fitness rating of arduous as a condition of employment but do maintain a fire qualification with an arduous rating may be *authorized* one hour of daily duty time for physical fitness conditioning.”
 - Removed text regarding, “Units will maintain a fitness program that ensures BLM firefighters will possess the physical ability to perform the duties of their positions safely and effectively while ensuring compliance with the requirements of the Work Capacity Test (WCT).”
- Inserted new subheading “Interagency Hotshot Crew Position Descriptions and Selective Placement Factors” and associated text.
- Inserted table caption under “BLM Veteran Crew Types and Locations” regarding the Medford crew is not funded with preparedness funding.
- Inserted text “N9018” for the BLM Engine Operator Course in table under subheading “BLM Engine Training and Qualification Requirements.”
- Inserted new subheading “Engine Crew Position Descriptions and Selective Placement Factors” and associated text.
- Clarified text under subheading “BLM Smokejumper Coordination and Dispatch” regarding, “The operational unit for smokejumpers is “one load” (8-12 smokejumpers).”
- Removed existing bullet text under subheading “BLM Ram-Air Parachute System Management” regarding Malfunction Abnormality and Reporting System (MARS) and inserted, “MARS is a reporting system utilized to report and document malfunctions and abnormalities associated with smokejumper parachute jumping, parachute equipment, and parachute related aircraft operations. The MARS database is hosted by the USFS and is used by both the BLM and USFS to analyze malfunctions and abnormalities, identify trends, and initiate corrective actions. BLM retains exclusive authority to apply corrective actions to BLM equipment and procedures.”

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- Clarified text in “BLM Smokejumper Physical Fitness Standards” table caption that, “Successful completion of both elements is required during smokejumper rookie training.”
- Removed subheading “Target (Desired) Exclusive Use Helitack Crew Qualifications and Composition” and text and table.
- Removed text under heading “Type 1 Helitack Program,” subheading “Mobilization” regarding, “Communicating status/location of Boise Helitack by maintaining the Asset Intelligence System (AIS) utilized by the BLM Fire Operations Group (FOG).”
- Inserted text under heading “BLM Use of the Wildland Fire Decision Support System (WFDSS)” regarding direction for BLM Agency Administrator engagement in WFDSS decision making and documentation process for published decisions involving multiple jurisdictions.

Chapter 3 – NPS

- Removed text under heading “Lights and Siren Response” regarding, “Drivers responding with emergency lights and sirens will be minimally qualified as engine operator.”

Chapter 4 – FWS

- In table “Management Performance Requirements for Fire Operations”:
 - Block 8 - Inserted text regarding, “Annually update and review the *FWS Line of Duty Death Response Handbook* and the *Agency Administrator’s Guide to Critical Incident Management*, or equivalent.”
 - Block 21 - Inserted text that the Regional Chief/Refuge Supervisor and Project Leader/Refuge Manager are responsible to serve as Management Official (MO) within the DOI Wildland Firefighter Medical Standards Program.”
- In table “Fire Management Staff Performance Requirements for Fire Operations”:
 - Block 29 - Inserted text that the Fire Director, RFMC, and Zone FMO are responsible for ensuring compliance with the DOI Wildland Firefighter Medical Standards process to include Risk Mitigation/Waiver processes.
 - Block 36 – Inserted text regarding, “A draft copy of the Declared Wildfire final report will be submitted to the agency’s National Fuels Management Specialist within 45 days of the fire being declared out, prior to signatures.”
- Inserted new subheading “Emergency Lighting and Sirens” and associated text.
- Removed web address under subheading “National Fire Operations Fitness Challenge.”
- Under subheading “FWS Firefighter General Training Requirements” in the table:
 - Row “Hazardous Materials-First Responder Awareness Level”:
 - Removed existing text in column “Initial Requirement/Frequency,” and inserted “Upon initial employment” and “Annual refresher.”
 - Inserted text in the “Reference” column regarding, “OSHA 29 CFR 1910.120(q)(6)(i); 1910.120(q)(8)(i-ii).”
 - Row “Defensive Driving”:
 - Removed existing text in column “Initial Requirement/Frequency,” and inserted “Upon initial employment,” and “Refresher every 3 years or per regional requirements, whichever is most restrictive.”
 - Removed row “A-312 Water Ditching and Survival (Alaska Only)” and associated text.
 - Inserted row “Do What’s Right” and associated text.

Chapter 5 – FS

- Throughout the chapter, removed reference to “Decision Support Toolbox,” and inserted “Agency Administrator Toolbox.”
- Under heading “Risk Management Protocol”:
 - Subheading “I. Pre-season”:
 - Inserted bullet regarding, “Determine what values-related spatial data is missing in WFDSS, if any, and develop a plan for incorporating it into the unit’s fire planning map layers to ensure its availability to support future decisions.”
 - Subheading “II. During Incident Phase”:

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- Removed text regarding, “Develop an assessment of what is at risk (from preseason work or input from key stakeholders), and the associated probabilities and potential consequences,” and inserted, “Develop an assessment of what is at risk (from preseason work, WFDSS values inventories, analytical tools and products, and/or input from key stakeholders), and the associated probabilities and potential consequences.”
- Subheading “III. Post Incident Phase”:
 - Inserted text under bullet “ Complete an incident after action review,” regarding, “If a WFDSS decision was necessary, evaluate decision quality and workflow and determine steps necessary to improve.”
- Under heading “Specific Line Officer Responsibilities for Fire and Aviation at the Field Level”:
 - Subheading “Wildfire Response”:
 - Removed text regarding, “WFDSS will be used to approve and publish decisions on all fires. See Chapter 11 for the fire criteria that require a published decision.” Inserted text regarding, “WFDSS will be used to develop, approve and publish decisions on all fires. As appropriate, use analytical tools and products to INFORM and support decision-making. See Chapter 11 for the fire criteria that require a published decision.”
 - Removed text regarding, “Provide incident management objectives, written delegations of authority, and a complete Agency Administrator briefing to Incident Management Teams,” and inserted, “Provide incident management objectives, written delegations of authority, leader’s intent and a complete Agency Administrator briefing to Incident Management Teams.”
 - Subheading “Wildfire Response Responsibilities and Oversight”:
 - Inserted new bullet regarding, “Analytical tools and/or products both within WFDSS and outside of the application should be used to inform and support strategic decision-making and risk assessment inputs.”
 - Subheading “Fuels”:
 - Removed text regarding, “Enter results of the assessment in the Fuels Treatment Effectiveness Monitoring (FTEM) database found at www.nwportal.fs.usda.gov within 90 days of control of the fire. Reference FSM 5140.” Inserted text regarding, “Enter results of the assessment into the Fuels Treatment Effectiveness Monitoring (FTEM) database within 90 days of control of a fire. The FTEM database is located within the Interagency Fuels Treatment Decision Support System at the following website: https://iftdss.firenet.gov/landing_page/. Links to optional reporting templates and other information related to the FTEM reporting requirement can be found at: <http://fsweb.wo.fs.fed.us/fire/fam/fuels/hazardous.html>.”
 - Inserted new text regarding, “Use the Interagency Fuels Treatment Decision Support System (IFTDSS) to assist with fuels planning, prescribed burn development, risk analysis, etc. https://iftdss.firenet.gov/landing_page/.”
 - Subheading “Prescribed Fire”:
 - Inserted new bullet regarding, “Use Analytical tools such as IFTDSS - Interagency Fuels Treatment Decision Support System, to assist with treatment options, fire behavior potential, prescribed burning prescriptions, and values at risk to help inform fuels planning efforts and implementation options.”
- Under heading “Agency Administrator Training and Certifications for Wildland Fire Management”:
 - Subheading “Journey Level”:
 - Inserted text under “Required Training” to have, “. . . at least one continuing education course in fireline leadership/decision-making. Pathways diagram and resources can be found on the Agency Administrator Toolbox. <https://wfmrda.nwcg.gov>.”

Chapter 6 – BIA

- Removed text under heading “Bureau of Indian Affairs Fire Management Policy” regarding, “Policy and responsibility for the Bureau of Indian Affairs (BIA) WFM program is

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- documented in the Indian Affairs Manual (IAM), Part 90, Chapter 1,” and inserted, “Policy and responsibility for the Bureau of Indian Affairs (BIA) WFM program is documented in Part 90 Indian Affairs Manual (IAM), chapters 1-8.”
- Inserted text under heading “BIA Mission” regarding, “Our Mission is to execute our fiduciary trust responsibility by protecting lives, property, and resources while restoring and maintaining healthy ecosystems through cost-effective and creative fire management programs, collaboration, and promoting Indian self-determination.”
 - Removed subheading “Branch of Wildland Fire Management Organization” and associated organizational chart.
 - Removed bullet under subheading “Director, Bureau of Indian Affairs” regarding, “Adopts and establishes wildfire prevention policies to protect Indian Lands and Indian natural resources from human-caused wildfires.”
 - Removed bullet under subheading “Branch Chief, Wildland Fire Management” regarding, “Recommends policies, standards and guidance to the Bureau Director on the use of prescribed fire and fuels management to achieve fuels management and resource management objectives.”
 - Under subheading “Regional Directors”:
 - Removed bullet regarding, “Approves all initiation or continuance of prescribed fire burn and wildland fire use plans at National Fire Preparedness Planning Level 4 and 5.”
 - Removed bullet regarding, “Oversees the region-wide casual and vendor payment programs for emergency incident payments.”
 - Under subheading “Agency Superintendent (unless excepted in regional directives)”:
 - Removed bullet regarding, “Develops plans, prepares agreements and implement activities for prescribed fires, wildland fire use, community assistance and/or other fuel management activities in accordance with approved implementation plans and established standards and guidelines.”
 - Removed bullet regarding, “Initiates, develops, and implements approved post fire activities to prevent unacceptable resource degradation and to minimize threats to life or property resulting from wildfire.”
 - Removed bullet regarding, “Initiates, develops, and implements approved rehabilitation activities to protect and sustain ecosystems, public health, safety, and to help communities protect infrastructure.”
 - Removed bullet regarding, “Maintains fiscal integrity in the use of the casual pay and vendor programs.”
 - Removed text regarding, “Has responsibility for financial and accountability oversight for all wildland fire management programs.”
 - Removed bullet under subheading “Program Operational Standards” regarding, “Fire occurrence reports will be encoded to the Wildland Fire Management Information (WFMI) system within two weeks after a wildfire is declared out.”
 - Under heading “FireCode Business Rules”:
 - Removed bullet for wildfires on BIA Trust land (BIA/Tribal unit is the host unit) regarding, “A fire report must be created for each wildfire in WFMI. The fire report form will require the entry of a FireCode.”
 - Removed bullet for wildfires on BIA Trust lands when BIA/Tribal resources are ordered from another BIA/Tribal unit(s) regarding, “BIA/Tribal units will create a support action fire report in WFMI when responding to another unit’s wildfire.”
 - Removed bullet regarding short-term severity actions regarding, “A support action fire report must be entered in WFMI and the respective FireCode entered in that fire report. The remarks section of the fire report must identify the purpose of the support action. For each short-term severity use through the fire season, a support action fire report must be entered in WFMI.”
 - Removed bullet regarding long-term severity FireCodes regarding, “A support action fire report needs to be completed in WFMI for each severity action.”
 - Removed “Student Career Experience Program (SCEP)” under heading “Physical Fitness and Conditioning.”

Chapter 7 – Safety and Risk Management

- Inserted BIA-specific text under subheading “Non-Incident Operations Driving” regarding, “Per Indian Affairs Manual (IAM), Part 25, Chapter 4: employees will not exceed eight hours of driving time (behind the wheel), to include use of specialized equipment, during a 16-hour duty day.”
- Inserted new web address under subheading “Head Protection” for detailed helmet inspection procedures. <https://www.nwcg.gov/committees/fire-shelter-and-personal-protective-equipment-subcommittee>.
- Removed text under subheading “Standard Safety Flagging” regarding “The NWCG recommends the following Safety Zone/Escape Route flagging for wildland fire activities,” and inserted, “The following flagging is recommended for wildland fire activities.”
- Clarified NWCG Emergency Medical Committee name and web address under subheading “Incident Emergency Medical Services.”

Chapter 8 – Interagency Coordination and Cooperation

- Moved heading “National Wildland Fire Cooperative Agreements” and associated text down in the chapter.
- Under heading “Standards for Cooperative Agreements”:
 - Changed subheading from “Agreement Policy” to “Agreement Standards.”
 - Inserted text under subheading “Agreement Standards” regarding, “Any agreement which obligates federal funds or commits anything of value must be signed by the appropriate warranted contracting officer, certified agreement specialist and/or delegated signatory official (USFS).”
- Under heading “Types of Agreements,” changed subheading from “Local Interagency Agreements” to “Cooperative Agreements.”
- Under heading “Elements of an Agreement”:
 - Inserted text regarding, “The authorities appropriate for each party to enter in an agreement. Specifically, 42 USC 1856 ‘incurred cost’.”
 - Removed text regarding, “Reimbursement/Compensation – All mutually approved operations that require reimbursement and/or compensation will be identified and agreed to by all participating parties through a cost-share agreement,” and inserted, “All mutually approved operations that require reimbursement will be identified and agreed to by an agreement which is required if participating parties have a cost-share. The mechanism and timing of the funding exchanges will be identified and agreed upon.”
 - Inserted FS-specific references, “FSM 1580; FSH 1509.11 Ch. 30; FSH 1509.11 Ch. 90; FSH 6509.11g Ch. 50.”
- Under heading “Operating Plans (OPs)”:
 - Inserted text regarding, “Operating plans are a subsidiary document to an agreement and shall be reviewed, updated, and approved prior to the fire season.”
 - Clarified text under bullet “Distance/Boundaries” regarding, “Responding and requesting parties should identify any mileage limitations from mutual boundaries where “mutual aid” is reimbursable or non-reimbursable. Also, for some fire departments, the mileage issue may not be one of initial attack “mutual aid” or “reimbursable assistance,” but of mutual assistance.”
 - Removed bullet “Reimbursement/Compensation” and associated text and inserted bullet “Reimbursement” and new text regarding, “Reimbursement will be based on actual expenditures. If suppression tactics cross jurisdictional boundaries, refer to the cost share agreement for reimbursement methods (must be an agreement between participating parties). Vehicles and equipment operated under the federal excess property system will only be reimbursed for maintenance and operating costs.”
- Under subheading “Fiscal Responsibility Elements of an Operating Plan”:
 - Removed text under e) that, “Reimbursements can be made upon estimates instead of actual bill receipts,” and inserted, “Reimbursements can be made upon actuals.”
 - Inserted text regarding, “The percentage for how to apply actuals can be based on estimates, but actuals must be used when final settlement is completed.”
 - Removed reference to NWCG Memorandum EB-M-09-009.

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Chapter 9 – Fire Management Planning

- Under heading “Concepts and Definitions,” removed NWCG Memorandum EB-M-10-024, and inserted, “FMB Memorandum 19-004, *Federal Wildland Fire Management Policy Terminology*.”

Chapter 10 – Preparedness

- Under heading “Fire Danger Operating Plan”:
 - Removed BLM-specific text regarding, “BLM offices are required to have a FDOP, a Fire Danger Analysis Document (FDAD), or a Fire Weather Occurrence Analysis Document (FWOAD) by May, 2020,” and inserted, “BLM offices are required to have a FDOP, a Fire Danger Analysis Document (FDAD), or a Fire Weather Occurrence Analysis Document (FWOAD) by May, 2021.”
 - Updated the web address for a FDOP template. <https://www.nwcg.gov/committees/fire-danger-subcommittee/nfdrs/rollout-workshop/library>
- Removed text under heading “Fire Severity Funding,” subheading “Labor Cost Coding for Fire Severity Funded Personnel,” regarding, “Overtime associated with the severity request should be charged to the severity suppression operations subactivity and the requesting office’s severity cost code,” and inserted, “Follow individual agency coding guidance when responding to another agency’s severity request.”

Chapter 11 – Incident Management and Response

- Under heading “Wildland Fire Decision Support System (WFDSS)”:
 - Removed text regarding, “WFDSS allows the Agency Administrator to describe and assess the fire Situation, develop Incident Objectives and Requirements, develop a Course of Action, evaluate Relative Risk, complete an Organization Assessment, document the Rationale and publish a Decision.” Inserted text regarding, “WFDSS allows the Agency Administrator to describe and assess the fire Situation, review completed fire behavior analysis products, develop Incident Objectives and Requirements, develop a Course of Action, evaluate Relative Risk, complete an Organization Assessment, document the Rationale and publish a Decision.”
 - Inserted text regarding, “Units are encouraged to engage in pre-season planning that familiarizes staff with fire-related guidance and direction from land use plans and/or FMPs, facilitates cooperation among resource areas and with neighboring units, and establishes protection priorities proactively ahead of fire season. Annual WFDSS refreshers, preferably with Agency Administrator attendance, are encouraged but are only one component of a unit’s overall pre-season planning strategy.”
 - Inserted text regarding, “The Integrated Reporting of Wildfire Information (IRWIN) data exchange system passes wildfire data through the IRWIN system to automatically populate some fields on the WFDSS information tab (e.g., Incident Name, Point of Origin, etc.) and for those using a Computer Aided Dispatch (CAD) or the InFORM final fire reporting system, has replaced the need to load fires individually into WFDSS. Once a record is created in a CAD, FireCode, IROC, ICS-209, or InFORM, those fires will automatically have a record created in WFDSS.”
- Under subheading “WFDSS Approval Authorities by Agency”:
 - Clarified BIA-specific text in the “DOI WFDSS Approval Authorities” table, column “WFDSS Approval” regarding the BIA Bureau Director approves cost estimates greater than \$10 million.
 - Inserted BIA-specific text in the “DOI WFDSS Approval Authorities” table caption regarding, “Current policy requiring the Bureau Director to approve decisions over 10 million dollars is delegated to BIA Regional Directors per agency memo.”
- Inserted BLM-specific text under heading “Managing the Incident,” subheading “Agency Administrator Responsibilities” regarding, “Completion of the Relative Risk and Organization Assessment within WFDSS satisfies the need for a Risk and Complexity Assessment (RCA).”
- Under heading “Post-Wildfire Activities,” bullet “Emergency Stabilization”:
 - Removed text regarding, “Emergency stabilization actions must be taken within one year plus twenty-one days after the ignition date of a wildfire and documented in a Burned

Area Emergency Response Plan or an agency specific plan. Within the Department of Interior, the Bureau Director may approve an extension beyond the one-year plus twenty-one days to accommodate circumstances related to climatic conditions or other significant events.”

- Inserted DOI-specific text regarding, “Emergency stabilization actions must be taken within one-year plus twenty-one days after the ignition date of a wildfire and documented in a Burned Area Response Plan or an agency specific plan. The Bureau Director may approve an extension beyond the one year plus twenty-one days to accommodate circumstances related to climatic conditions or other significant events.”
- Inserted FS-specific text regarding, “Emergency stabilization actions must be taken no later than one year after the containment of the fire.”
- Under subheading “Burned Area Emergency Response (BAER) Teams”:
 - Clarified DOI-specific text regarding, “The Department of Interior maintains a roster of National BAER Team to assist field units in planning for complex post-fire emergency stabilization.”
 - Removed DOI-specific text regarding, “The DOI-BAER Teams should be requested at least 10 days prior to expected date of wildfire containment and ordered as per the National Interagency Mobilization Guide,” and inserted text regarding, “The DOI National BAER Team resources should be requested within 21 days from the discovery date of the fire and ordered as per the National Interagency Mobilization Guide.”
- Removed FS-specific subheading “Large Fire Cost Review,” and inserted “Fire Reviews – Continuous Improvement Assessments.”

Chapter 12 – Suppression Chemicals and Delivery Systems

- No substantial changes.

Chapter 13 – Firefighter Training and Qualifications

- Under heading “Incident Qualifications and Certification System (IQCS)":
 - Inserted BLM-specific text regarding, “Transition of hard copy records to electronic records must be completed by December 31, 2024. During the transition, IQCS certifying officials have the option to keep employee training and qualification records as a hard copy file or an electronic file. Additional information can be found at <https://www.nifc.gov/about-us/our-partners/blm>. All records will be stored and/or destroyed in accordance with agency policies. <https://doimsp.sharepoint.com/sites/blm-oc-dirm/BLMrec/SitePages/Records-Policy.aspx>”
 - Under subheading “Incident Qualification Card”:
 - Inserted BLM/BIA-specific text regarding, “An electronic Incident Qualification Card utilizing the IQCS portable document format (PDF) is authorized.”
 - Inserted BLM/FWS-specific text regarding, “The “Do What’s Right” training is required annual training but is not a prerequisite for issuance of an Incident Qualification Card.”
 - Inserted NPS-specific text regarding, “The Branch Chief, NPS Branch of Wildland Fire (or delegate) is responsible for the accuracy and certification of the regional fire management officer’s incident qualification card. The regional fire management officer (or delegate) is responsible for the accuracy and annual certification of their parks’ fire management officers’ incident qualification cards.”
- Removed heading “Annual Fireline Safety Refresher Training” and associated text, and inserted heading “RT-130, *Wildland Fire Safety Training Annual Refresher (WFSTAR)*” and new text.
- Inserted BLM-specific text under heading “RT-130, *Wildland Fire Safety Training Annual Refresher (WFSTAR)*” removing the 4 hours minimum refresher training hour requirement. There is no minimum hourly requirement; however, core topics will be covered.
- Under heading “Medical Examinations”:
 - Under subheading “Arduous Fitness Level – Department of Interior Wildland Firefighter Medical Standards Program (DOI MSP)":

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- Updated the web address to access information regarding the DOI MSP.
https://www.nifc.gov/medical_standards/index.html.
- Removed text regarding, “If diagnostic testing beyond what is required by the DOI MSP is needed to determine medical qualification, agency approval is required before the tests are conducted. If the agency approves a request for further testing, the agency is responsible for payment. Additional testing or treatment carried out without prior approval shall be at the individual’s expense.” Inserted text regarding, “Additional testing or medical follow-up required to change a DOI MSP determination shall be at the individual’s expense unless the agency has granted prior approval.”
- Inserted text regarding, “Employees seeking arduous red card qualifications who work for programs operating under their own medical standards must either participate in the DOI MSP or may have their exam meeting all DOI MSP requirements reviewed against the Federal Interagency Wildland Firefighter Medical Standards.”
- Under subheading “Exam/Self-Certification Periodicity and Changes in Medical Status”:
 - Inserted NPS-specific text regarding, “Annual self-certifications are valid for one year. NPS employees may take the work capacity test at any point in that year as long as the self-certification is current.”
 - Inserted text regarding, “A significant change in medical status is defined as any injury or illness, including an active workers’ compensation (OWCP) claim, which may prevent performance of arduous duty.”
 - Removed NPS-specific text regarding, “NPS Law Enforcement Rangers who are collateral duty wildland firefighters will have their LE medical exam results reviewed against the Federal Interagency Wildland Firefighter Medical Standards for medical qualification determination,” and inserted, “If a LE ranger is also assigned arduous wildland firefighter duties, an additional medical clearance for wildland firefighting must be requested at the time of her/his LE medical exam.”
 - Removed FWS-specific text regarding, “Periodicity requirements for Refuge law enforcement examinations will be applied to arduous duty wildland fire positions. Law enforcement officers wishing to perform in PMS 310-1 or USFWS agency-specific wildland fire positions with an arduous fitness requirement must pass the arduous work capacity test on an annual basis. The HSQ will be used for off exam years prior to arduous work capacity testing.”
 - Removed BIA-specific text regarding, “Refer to agency specific standards located at https://www.nifc.gov/medical_standards/.”
 - Removed BIA-specific text regarding, “BIA structural firefighters may submit a completed NFPA exam that includes all of the DOI MSP exam requirements for RMO review against the Federal Interagency Wildland Firefighter Medical Standards for wildland fire medical qualification.”
- Under subheading “Medical Exam Process for Light and Moderate Fitness Levels”:
 - Clarified text regarding, “The medical screening process for light and moderate work capacity testing (Health Screening Questionnaire [HSQ]) is centralized and automated through the DOI MSP’s national contractor. For details on the process visit https://www.nifc.gov/medical_standards/.”
 - Inserted BLM/FWS/BIA-specific text regarding, “Law Enforcement must complete the light or moderate Health Screening process through CHS and provide clearance certificate to the WCT administrator.”
 - Removed FWS-specific text regarding, “Periodicity requirements for Refuge law enforcement examinations will be applied to light or moderate. Law enforcement officers wishing to perform in PMS 310-1 or USFWS agency-specific wildland fire positions with a light or moderate fitness requirement must pass the appropriate level work capacity test on an annual basis. The HSQ will be used for off exam years prior to light or moderate work capacity testing.”
 - Removed BIA-specific text regarding, “Individuals who opt out of the DOI MSP at the arduous level will be required to complete a Fitness for Duty exam prior to participating in a WCT at a lower fitness level,” and inserted, “Individuals who opt

out of the DOI MSP at the arduous level, having received a "not qualified for arduous duty" status during a periodic or baseline exam, may be required to report for a specific medical evaluation to determine fit for duty status."

- Under heading "Work Capacity Tests":
 - Under subheading "Work Capacity Test (WCT) Categories":
 - Removed text regarding, "Law Enforcement physical fitness standard is accepted as equivalent to a "light" WCT work category."
 - Under subheading "Work Capacity Test (WCT) Administration":
 - Inserted text regarding, "Federal employees may participate in a WCT administered by non-federal partners if approved by the FMO and all requirements of this chapter are met."
 - Removed NPS/FWS-specific text regarding, "Law Enforcement Officers are required to provide a copy of the medical clearance for verification and tracking purposes to the appropriate incident qualifications and certifications system (IQCS) account manager. Account managers will reflect the appropriate examination type and currency for the Law Enforcement Officer examinations in the physical examinations portion of the IQCS system."
 - Inserted NPS-specific text regarding, "Law Enforcement Officers are required to provide medical clearance documentation to their FMO prior to participating in a Work Capacity Test. The LE exam is sufficient for the light and moderate level work capacity testing. If a LE ranger is also assigned arduous wildland firefighter duties, an additional medical clearance for wildland firefighting must be requested at the time of her/his LE medical exam."
- Under heading "Other Hand Crews," subheading "Policy," inserted web address to *NWCG Standards for Wildland Fire Resource Typing* (PMS 200).
<https://www.nwcg.gov/publications/pms200>
- Under heading "Wildland Fire Modules (WFM)," subheading "Minimum WFM Standards for Interagency Mobilization" table:
 - Inserted text above the table regarding, "Note: Other than the qualifications held by the Module Leader and Assistant all other qualifications are not tied to a particular position."
 - Renamed row from "Leadership Qualifications" to "Module Qualifications."
 - Inserted new row regarding "Module Leader Qualifications."
 - Inserted new row regarding "Assistant Module Leader Qualifications."
 - Removed row regarding "FEMO."
 - Changes in the Type 1 column include:
 - **Module Qualifications:** removed existing qualifications and inserted, "RXB2, TFLD, CRWB (other than TFLD), FIRB (other than RXB2), ICT4, 2 ICT5 (other than ICT4), FOBS, 2 FEMO, FFT1 (other than TFLD/CRWB), HELR or HECM."
 - **Module Leader Qualifications:** TFLD, ICT4, and RXB2.
 - **Assistant Module Leader Qualifications:** TFLD, ICT4, and RXB2.
 - **Experience:** removed "90% > 1 season," and inserted "80% > 1 season."
 - **Certification:** Inserted, "Follow PMS 430 guidelines."
 - Changes in the Type 2 column include:
 - **Module Qualifications:** Removed existing qualifications and inserted, "All modules will have the following qualifications: CRWB, FIRB, 2 ICT5, 2 FFT1, 2 FEMO (1 may be a trainee), HELR or HECM."
 - **Module Leader Qualifications:** inserted CRWB, ICT5, and FIRB.
 - **Assistant Module Leader Qualifications:** inserted FFT1 and ICT5.
 - **Full Time Organized Crew:** Removed "No" and inserted, "Same as Type 1."
 - **Training:** Removed, "Basic firefighter training or RT-130 prior to assignment," and inserted, "As required by the PMS 430 prior to assignment."
 - **Medical First Responder Training:** Removed "No" and inserted "Yes."
 - **Logistics:** Removed "Generally no purchasing authority, may need assistance by incident logistics" and inserted, "One or more crew level agency purchasing authority."
 - **Transportation:** Removed "Transportation needed," and inserted, "Own transportation."

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- **Tool and Equipment:** Removed “May need assistance by incident logistics,” and inserted, “Fully equipped for each geographic region.”
- **Certification:** Inserted, “Follow PMS 430 guidelines.”

Chapter 14 – Firefighting Equipment

- Removed FWS-specific reference under heading “Firefighting Engine/Water Tender Common Standards,” subheading “Emergency Light Use,” regarding, “Refer to Service policy 621 FW 1” and inserted, “See agency chapters or policy for specific guidance.”
- Under heading “Firefighting Engines,” subheading “Engine Typing,” inserted web address to *NWCG Standards for Wildland Fire Resource Typing* (PMS 200).
<https://www.nwcg.gov/publications/pms200>
- Under heading “Water Tenders,” subheading “Water Tender Typing,” inserted web address to *NWCG Standards for Wildland Fire Resource Typing* (PMS 200).
<https://www.nwcg.gov/publications/pms200>
- Inserted FWS-specific text under heading “All-Terrain Vehicles (ATV)/Utility Terrain Vehicles (UTV),” subheading “Required PPE,” regarding, “Refer to 321 FW 1” for other specific guidance.

Chapter 15 – Communications

- Changed heading from “Cellular/Satellite Phone Communications” to “Cellular/Smartphone/Satellite Phone Communications,” and inserted “Smartphone” in the associated text.
- Clarified text under heading “Radio Contracts,” regarding, “Information on contracts, software, hardware requirements and approved radios is available at <https://www.nifc.gov/resources/NIICD>, or contact your agency Telecommunications Department or the NIICD Engineer at (208) 387-5720.”
- Under heading “Radio Frequency Management”:
 - Removed text regarding, “In accordance with Executive Order 13556 and USDA/DOI policies and guidelines, all documents with USDA/DOI frequencies that involve the safety of life and property must be labeled in accordance with Department of Defense (DOD) 8500E, National Institute of Standards and Technology (NIST) 800-53 and the National Archives CUI Marking Handbook v1-1.” Inserted text regarding “Under Executive Order 13556 and in accordance with DOI/USDA policies and guidelines, all documents which include DOI/USDA frequencies are considered to be Controlled Unclassified Information (CUI) and must be controlled and marked as such following the guidance of the National Archives CUI Marking Handbook Version 1.1.”
 - Clarified text regarding, “Therefore, any documents containing frequency information whose dissemination is not controlled with a password, must be labeled at the top and bottom of each page with CUI and controlled as such.”
- Inserted text under heading, “Daily, Initial Attack and Airtanker Base Frequency Management” regarding, “Updated frequency information is coordinated annually with the GACCs.”
- Under heading “Incident Frequency Management,” subheading “Aviation Operations Frequency Management”:
 - Removed text regarding, “Air-to-Air initial attack – AM frequencies are assigned yearly to the GACCs by the NIFC CDO in coordination with the Federal Aviation Administration (FAA). Once assigned to the zones, management of those frequencies is the responsibility of the GACC. Frequencies allocated to zones for initial attack are not to be dedicated for project fire use. If additional frequencies are required, they must be requested from and assigned by the NIFC CDO.” Inserted, “Air-to-Air – AM frequencies are requested via the NIFC CDO who then coordinates with the Federal Aviation Administration (FAA). Frequencies are engineered by the FAA with a service volume of 20NM radius with 5,000ft AGL from incident latitude/longitude or other provided center point. If the needs of the incident require a larger radius, a request should be made through the NIFC CDO to be coordinated with the FAA.”
 - Removed text regarding, “Air-to-Ground – FM frequencies will be assigned by agency frequency managers and coordinated by the NIFC CDO.” Inserted, “Air-to-Ground – FM

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frequencies will be authorized by agency frequency managers and coordinated and assigned by the NIFC CDO. Frequencies are assigned for incident use with a service volume of 20NM radius from incident latitude/longitude or other provided center point and 3,000ft AGL per agency Radio Frequency Authorization (RFA).”

- Removed text regarding, “Updated frequency information is coordinated annually with the GACCs.”
- Under heading “Pre-assigned National Frequencies”:
 - Removed subheading “National Interagency Air Tactics Frequencies (166.6125 MHz, 167.9500 MHz, 169.1500 MHz, 169.2000 MHz, 168.4000 MHz)” and associated text.
 - Removed subheading “National Interagency Airtanker Base Frequencies” and associated text.
- Under heading “Smokejumper and Rappel/RADS Air-to-Ground Frequency (168.5500 MHz),” subheading “National Interagency Fire Tactical Frequencies (168.0500 MHz, 168.2000 MHz, 168.6000 MHz, 168.2500 MHz, 166.7250 MHz, 166.7750 MHz),” that, “Permission to use these frequencies requires **prior approval** from the NIFC CDO (or COMC when mobilized).”
- Chapter 15 page headers and footers changed from “**Controlled Unclassified Information//Basic**” to “**CUI**.”

Chapter 16 – Aviation Operations and Resources

- Clarified FS-specific text under heading “Organizational Responsibilities,” subheading “National Office – U.S. Department of Agriculture” regarding, “The Branch Chief, Pilot Standardization reports to the AD, Aviation, and is responsible for pilot and aircrew standardization and approval of agency and contracted personnel.”
- Removed FS-specific text under heading “Unmanned Aircraft Systems,” subheading “Policy” regarding, “FSM 5713.7” and inserted, “FSM 5700 Zero Code.”
- Under heading “Airspace Coordination”:
 - Removed FS-specific text regarding “Refer to FSM 5709.16. . . , and inserted, “Refer to FSH 5709.16. . . .”
 - Clarified FWS-specific text regarding airspace coordination information can be found by contacting the National Aviation Safety Specialist.
 - Clarified FS-specific text regarding airspace coordination information can be found by contacting the National Airspace Program Manager.
- Under heading “Flight Request and Approval”:
 - Removed FS-specific text under subheading “Point-to-Point Flights” regarding, “Refer to FSM 5709.16. . . .” and inserted, “Refer to FSH 5709.16. . . .”
 - Inserted text under subheading “Mission Flights” regarding mission helicopter flights include but are not limited to takeoff or landing requiring special techniques due to hazardous terrain, obstacles, pinnacles, or surface conditions to include STEP – (Single Skid/Toe-In/Exit-Entry Procedure).
- Removed FS-specific text under heading “Congested Area Flight Operations” regarding, “FS authority is granted under exemption 392, from 14 CFR Part 91.119 as referenced in FSM 5714,” and inserted, “FS authority is granted under exemption 392, from 14 CFR Part 91.119 as referenced in FSH 5709.16, Chapter 30.”
- Inserted NPS-specific text under heading “Aviation Assets” regarding, “All NPS fire funded aircraft (fleet, exclusive use, On-Call and CWN) are available to move to areas of greatest Bureau need, thereby maximizing efficiency and effectiveness. Specific authorities and responsibilities for Park, Regional and National Offices are outlined earlier in this chapter.”
- Under heading “Helitack”:
 - Inserted NPS-specific text under subheading “Helicopter Rappel and Cargo Let-Down” regarding, “All rappel and cargo let-down operations will follow the *Interagency Helicopter Rappel Guide* (IHRG), as policy. Any exemption to the guide must be requested by the program through the state/region for approval by the National Aviation Office (BLM/NPS). . . .”
 - Inserted NPS-specific text under subheading “Single-Skid, Toe-In, and Hover Exit/Entry (STEP)” regarding, “NPS STEP protocols are outlined in the NPS RM-60.”

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- Removed NPS-specific reference under subheading “Emergency Medical Short-Haul” regarding the “Helicopter Short-haul Handbook,” and inserted, “Short Haul Operations Plan.”
- Under heading “Airtankers”:
 - Inserted web address under subheading “Airtanker Types” for *NWCG Standards for Wildland Fire Resource Typing* (PMS 200). <https://www.nwcg.gov/publications/pms200>
 - Inserted text under subheading “State of Alaska Airtankers” regarding, “Prior to mobilization to the lower 48, ordering agencies should confirm that current cooperator letters are in place for the requested aircraft and pilots permitting operations in the lower 48 states.”
- Under heading “Helicopters,” subheading “Helicopter Types”:
 - Inserted web address for *NWCG Standards for Wildland Fire Resource Typing* (PMS 200). <https://www.nwcg.gov/publications/pms200>
 - Removed FS-specific text regarding, “There will be NO on-board mixing of wildland fire chemicals on Forest Service-owned, contracted, chartered or leased aircraft. Use of water enhancers in large dip tanks or pumpkin tanks is not recommended, unless the Qualified Product List (QPL) approved mix ratio can be maintained with the constantly changing water/gel mixture and ratio during operations. The ability to maintain the QPL mix ratio is highly unlikely.” Inserted text regarding, “The use of fire chemicals mixed with on board injection or blending systems is not permitted on Forest Service contracted aircraft. Water enhancers may be mixed and loaded from ground-based equipment when demand-mixed through a proportioner; or batch mixed to the qualified mix ratio in a separate tank, then transferred into a dip tank. Compliance with the Forest Service Qualified Product List (<https://www.fs.fed.us/rm/fire/wfcs/water-en.htm>), to include qualified required mix ratios, is mandatory.”

Chapter 17 – Fuels Management

- Removed FWS-specific text under heading “Reporting Fuels Treatment Effectiveness Monitoring (FTEM)” regarding, “Refer to Fish and Wildlife Service Fire Management Reporting Requirements and Timelines Memo found on the FWS SharePoint site. <https://fishnet.fws.doi.net/regions/9/nwrs/fire/Shared%20Documents/Memo's%20From%20The%20Branch/FY17/FY%202017%20FMIS%20NFPORS%20Fuels%20Reporting%20Requirements%208.10.17.pdf>.” Inserted, “Refer to Fish and Wildlife Service Fire Management Reporting Requirements and Timelines Memorandum FMB202015 - *Establishment of a Fuels Management Three-Year Program of Work*.”
- Under heading “Reporting Planned Fuels Treatments Burned in a Wildfire”:
 - Moved NPS/FWS-specific information down in the section as a combined NPS/FWS bullet.
 - Inserted BLM-specific text regarding BLM offices will report all acres burned in a naturally caused wildfire that accomplish resource objectives in the Hazardous Fuels Reduction module of NFPORS as “Fire Use” when: An interdisciplinary team approach is used to determine the specific burned acres where land use plan resource objectives were met by wildfire; and an Agency Administrator approves the determination and notifies the State Fuels Lead/Specialist. Together they ensure appropriate reporting in NFPORS. See instructions in the *BLM Fuels Management and Community Assistance Handbook*, H-9214-1. Note that accomplishments of resource objectives from known human-caused fires will not be reported.
- Under heading “Reporting of Wildfire Acres That Meet Resource Management Objectives”:
 - Inserted BLM-specific text regarding at a minimum, acres reported in the Non-NFP module must meet the following criteria that a line manager approves the determination and reporting will take place in the Hazardous Fuels Reduction module in NFPORS, not in the NPORS Non-National Fire Plan module. Reference the *BLM Fuels Management and Community Assistance Handbook* H-9214-1.
 - Removed FWS-specific text referencing the web address <https://fishnet.fws.doi.net/regions/9/nwrs/fire/FMR/FMIS1>.
- Under heading “Prescribed Fire During Preparedness Levels 4 and 5”:

- Removed FWS-specific text regarding, “During Geographic Area Preparedness Level 4 or 5, written concurrence from RFMC is required prior to ignition. During National Preparedness Level 5, concurrence from Headquarters, Branch of Fire Management must be obtained prior to implementing prescribed fires. Refer to FMH, Chapter 17 for additional information.” Inserted, “During Geographic Area Preparedness Level 4 and 5, and National Preparedness Level 4, written concurrence from Regional Fire Management must be obtained prior to implementing a prescribed fire. During National Preparedness Level 5, written concurrence from Regional Fire Management and the Branch of Fire Management must be obtained prior to implementing a prescribed fire. Refer to FMH, Chapter 17 for additional information.”
- Removed FS-specific reference “Interim Directive WO-ID-5140-2017-1,” and inserted, “FSM 5140.”
- Inserted FWS-specific text under heading “Use of Contractors for Prescribed Fire Implementation” regarding, “Refer to Fire Management Handbook Ch. 17 and 645 FW 1 for fuels projects funded by the Partners for Fish and Wildlife Program and Coastal Program.”

Chapter 18 – Reviews and Investigations

- Throughout the chapter, removed FS-specific text regarding “Large Fire Cost Review(s)” and inserted, “Continuous Improvement Assessment(s).”
- Under heading “Reviews”:
 - Removed FS-specific text under subheading “Large Fire Cost Reviews” regarding, “A Large Fire Cost Reviews may be conducted at the discretion of the Washington Office, at the request of the Regional Office, or when requested by multi-jurisdictional cooperators.” Inserted text regarding, “The Washington Office, Director of Fire and Aviation Management, will select a subset of fires for review based on complexity and National significance ensuring the selected fires provide a cross sectional representation of cost, size, and oversight complexity. The reviews will be multi-tiered and foster a working environment that will improve the decision-making process and develop a capacity for organizational learning. If a site visit is required, the Washington Office, Deputy Chief, State and Private Forestry, will notify the Regional Forester. The National review process can include real time analysis of fire information, informal discussions with fire managers and Regional personnel, and/or site visits by a cadre of specialists to individual incidents and or geographic areas. For more detail, see FSM 5139.2.”
 - Under subheading “Significant Wildland Fire Reviews (DOI)”:
 - Removed existing DOI-specific text and inserted, “A Significant Wildland Fire Review (SWFR) will be conducted when an incident (single fire or complex) meets or exceeds federal combined expenditures of \$15 million in suppression costs, and more than 50% of the burned acres are managed by one or more DOI bureaus. It is the agency’s responsibility to advise the appropriate individual(s) within their agency of the need for a SWFR. When a multi-jurisdictional fire requires review, the DOI bureaus will determine which agency will be designated as the lead in the review process. The Agency will provide a Delegation of Authority to the SWFR Team authorizing the implementation of a review. When possible, SWFRs should be conducted when the Incident Management Team is still in place to allow prompt access to records and incident personnel. For more information, see https://www.doi.gov/sites/doi.gov/files/elips/documents/owf_policy_memo_2016-13_criteria_for_review_wildfire_incidents.pdf.”
 - Under subheading “Individual Fire Reviews”:
 - Removed existing text and inserted, “An Individual Fire Review may also be conducted on incidents that do not rise to the level of a Significant Wildland Fire Review. Individual fire reviews examine all or part of the operations on an individual fire. The fire may be ongoing or controlled. These reviews may be local, state/regional, or national. These reviews evaluate decisions and strategies, correct deficiencies, identify new or improved procedures, techniques, or tactics, determine cost-effectiveness, and compile and develop information to improve local, state/regional, or national fire management programs.”

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- Inserted BLM-specific text regarding, “Any fire that burns more than 50,000 acres of sagebrush rangelands will be evaluated by the Fire and Aviation Directorate to determine if an Individual Fire Review is warranted. If an individual fire review is warranted, the Assistant Director will organize a review and provide oversight for the review team. Individual Fire Reviews may also be conducted when there are significant natural resource concerns; or there are policy, political, social, or economic concerns, including significant impacts to infrastructure and energy related corridors; or there are significant and complicated cost-share or multi-jurisdictional issues.”
- Under subheading “Lessons Learned Reviews (LLRs)”:
 - Inserted updated FS-specific web address to a guide for the Facilitated Learning Analysis (FLA) process. <https://www.wildfirelessons.net/viewdocument/facilitated-learning-analysis-imple-1>
 - Inserted updated FS-specific web address for the current versions of the FLA and CRP guides on the Wildland Fire Lessons Learned Center’s website. <https://www.wildfirelessons.net/viewdocument/facilitated-learning-analysis-imple-1>
 - Removed text regarding “The LLR facilitator will convene the participants and: 24- and 72-hour reports may be produced, but are not required,” and inserted, “The LLR facilitator will convene the participants and: while not required, 24- and 72-hour reports may be produced, and are a valuable element of the many learning-focused products that LLR Teams may produce.”
 - Removed the E-mail address for the Wildland Fire Lessons Learned Center (LLC), and inserted the web address where, “A copy of the final report will be submitted to the respective agency’s national fire safety lead who will provide a copy to the Wildland Fire Lessons Learned Center (LLC).” <https://www.wildfirelessons.net/aboutus>
- Removed FWS-specific reference under heading “Fire Cause Determination and Trespass Investigation,” subheading “Policy,” regarding “Fire Management Handbook,” and inserted “621 FW 1.”
- Removed FWS-specific reference in table under heading “Related Policy Documents,” column “Safety” regarding “Service Manual 095” and inserted, “240 FW 7.”

Chapter 19 – Dispatch and Coordination System

- No substantial changes.

Appendices

- Appendix D
 - Removed text under “Safety” table, “Written Package” column regarding, “Standards for Burn Injuries Memorandum.”
- Appendix I
 - Removed FS-specific text in Block 10 regarding “Large Fire Cost Review,” and inserted, “Continuous Improvement Assessment.”
- Appendix N
 - Removed text under heading “WFDSS Account Information” regarding “Customer Help Desk,” and inserted, “Interagency Incident Applications (IIA) Help Desk.”
 - Under heading “Fire Behavior Analysis”:
 - Removed text regarding, “GSAN.”
 - Removed text under subheading “Relative Risk Assessment,” regarding, “As the graphs for each component are completed, you can document thoughts/reasons for inputs in accompanying text boxes. This text automatically populates in the WFDSS decision but the graphs themselves do not (they can be manually added if you choose). The three outputs are then evaluated in a final step that provides the Relative Risk rating for the fire.” Inserted, “As the graphs for each component are

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completed, document thoughts/reasons for inputs in the accompanying text boxes. Text and graphs automatically populate into the WFDSS decision. The three outputs are then evaluated in a final step that provides the Relative Risk rating for the fire.”

- Clarified text under heading “WFDSS Suggested Refresher and Preseason Items” that, “WFDSS Refresher Training Recommendations are located in the WFDSS Refreshers section of the WFM RD&A web page (<https://wfmrda.nwcg.gov/agency-administrator-toolbox/aa-wfdss-refreshers>).”

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