

**1. Overview & Program Directives**  
 Introduction ..... 1-1  
 Policy ..... 1-1  
     Safety  
     Fire Management and Ecosystem Sustainability  
     Response to Wildfire  
     Use of Wildland Fire  
     Emergency Stabilization and Rehabilitation  
     Protection Priorities  
     Wildland/Urban Interface  
     Planning  
     Science  
     Preparedness  
     Suppression  
     Prevention  
     Standardization  
     Interagency Cooperation  
     Communication and Education  
     Administrator And Employee Roles  
     Evaluation  
     Economic Efficiency  
     Fire Cause Determination and Cost Recovery  
     Employee Responsibility  
 Fire Management Objectives ..... 1-5

**2. Program Roles & Performance Standards**  
 Agency Administrator Roles ..... 2-1  
     Director/Chief  
     State Director/Regional Director/Regional Forester  
     Unit Manager  
     Management Performance Requirements for Fire Operations  
 Fire Management Staff Roles ..... 2-6  
     National Office  
     State/Regional Office  
     Unit Office  
     Fire Management Staff Performance for Fire Operations  
 Requirements for Fire Management Positions ..... 2-10  
     Training for Designated Agency Administrators  
 Delegation of Authority ..... 2-12

**3. Interagency Coordination & Cooperation**  
 Introduction ..... 3-1  
 Interagency Assistance ..... 3-1  
 Coordination ..... 3-1  
     National Level Coordination  
     National Wildfire Coordinating Group (NWCG)

Federal Fire and Aviation Leadership Council (FFALC)  
 Federal Fire and Aviation Safety Team (FFAST)  
 Interior Fire Coordination Committee (IFCC)  
 National Multi-Agency Coordination Group (MAC Group)  
 Geographic Area Level Coordination  
 Sub-Geographic Area Coordination  
**Interagency Mobilization .....3-3**  
     National Dispatch/Coordination System  
         National Interagency Coordination Center (NICC)  
         Geographic Area Coordination Centers (GACCs)  
         Local Unit/Interagency Dispatch Centers  
**Agreements & Contracts .....3-4**  
     Interagency Agreements  
         Agreements  
         Annual Operating Plans  
     Contracts  
     Emergency Assistance  
     FEMA and the Wildland Fire Program  
     International Assistance  
         U.S.-Mexico  
         U.S.-Canada  
         U.S.-Australia/New Zealand  
     International Disasters Support

**4. Safety**

**Policy.....4-1**  
**Goal .....4-1**  
**Risk Management Process.....4-2**  
     Job Hazard Analysis (JHA)  
**Work/Rest Guidelines.....4-2**  
**Length of Commitment .....4-2**  
**Rest and Recuperation (R&R).....4-3**  
     Rest and Recuperation During Incident  
     Rest and Recuperation Upon Return From an Incident  
     Management Directed Days Off  
**Driving Standard .....4-6**  
     Emergency Driving  
     Non-Emergency Driving Limitations  
     Emergency Fire Vehicle Operations Standards  
**Personal Protective Equipment (PPE) .....4-7**  
     Head Protection  
     Eye and Face Protection  
     Hearing Protection  
     Neck Protection  
     Leg Protection  
     Foot Protection  
     Fire Shelters

Fireline Safety .....4-10

- Incident Briefings
- LCES
- Escape Routes and Safety Zones
- Incident Safety Oversight
- Unit/Area Closures
- Thunderstorm Safety
- Standard Safety Flagging
  - Safety Zones/Escape Routes
  - Hazards
- Unexploded Ordnance (UXO)
  - Safety and Reporting
- Hazardous Materials
  - Purchasing
  - Use
  - Storage
  - Surplus
  - Classification
- Heat Stress
- Smoke and Carbon Monoxide
- “Six Minutes for Safety” Training
- Snag Safety

Safety for Non-Operational Personnel Visiting Fires.....4-15

- Visit to Incident Base
  - PPE
- Visit to Fireline
  - PPE
- Training and Physical Fitness Requirements
  - Escorted
  - Unescorted
- Helicopter Observation Flights
  - PPE
  - Training Requirements
- Fixed-Wing Observation Flights
  - PPE
  - Training Requirements

SAFENET .....4-16

Accident/Injury Reporting .....4-17

- Critical Incident Management

**5. Training & Qualifications**

- Introduction .....5-1
- Policy .....5-1
- Certification & Record Keeping.....5-1
  - Certification of Non-Agency Personnel
  - Incident Qualification and Certification Card (Red Card)
- Qualification System .....5-3

Annual Fireline Safety Refresher Training  
 Non-NWCG Agencies  
 Qualification and Certification Committee  
 Physical Fitness ..... 5-5  
     Physical Training and Conditioning  
 Medical Standards & Work Capacity Tests (WCTs) ..... 5-5  
     WCT Categories  
         Test Administration  
         Health Screen Questionnaire  
         Work Capacity Test Record  
 Medical Examinations ..... 5-8

**6. Fuels Management/Prescribed Fire**

Introduction ..... 6-1  
 Policy ..... 6-1  
 Priorities ..... 6-2  
     Wildland Urban Interface Areas (WUI)  
 Project Planning Selection and Tracking ..... 6-3  
     Planning  
     Fuels Treatment Selection Process  
     Tracking and Reporting  
         National Fire Plan Operations and Reporting System (NFPORS)  
         Fuels Management Performance Measures  
 Prescribed Fire Plans ..... 6-8  
     Plan Contents  
     Restrictions  
 Determination of Complexity ..... 6-9  
 Safety & Qualifications ..... 6-9  
     Safety Awareness  
     Safety Equipment  
     Smoke Exposure  
         Planning  
         Implementation  
     Qualifications  
         Physical Fitness  
         Currency Requirements  
 Prescribed Fire Monitoring ..... 6-11  
 Project Financing/Cooperation & Assistance ..... 6-11  
     Federal Agencies Assistance  
     Contractors  
     Casual Firefighter Hire Authority  
 Escaped Prescribed Fires ..... 6-12  
     Definitions  
     Actions  
     Reviews  
 Prescribed Fire Program Review ..... 6-14

**7. Preparedness**

Introduction ..... 7-1

Fire Danger Operating Plan..... 7-1

    Roles and Responsibilities

    Operational Procedures

    Fire Danger Rating Inventory

    Climatic Breakpoints and Fire Business Thresholds

    Adjective Rating

Fire Danger Pocket Card for Firefighter Safety ..... 7-3

Preparedness Plan..... 7-3

    Preparedness Level/Step-up Action Items

Seasonal Risk Analysis ..... 7-4

Severity Fund Guidance ..... 7-5

    Objective

    State/Regional Level Severity Funds

    National Level Severity Funding

        Request

    Appropriate Severity Charges

        Labor

        Vehicles and Equipment

        Aircraft

        Travel and Per Diem

    Inappropriate Charges

Fire Prevention/Mitigation ..... 7-9

    Wildland Fire Cause Determination & Fire Trespass

    Wildland Fire Mitigation/Prevention

Mobilization Guide..... 7-10

**8. Wildland Fire Resources**

Introduction ..... 8-1

    Leadership

Policy ..... 8-1

    Noxious Weed Prevention

Engine Modules..... 8-1

    Policy

    Safety

    Driving Standards

        GVW

        Speed Limits

        Lighting

        Fire Engine Maintenance Procedure and Record

        Vehicle Color and Marking

        On-Board Flammable Liquid Storage

    Fire Engine Module Staffing

Agency Specific Positions ..... 8-4

    Chainsaw Operators and Fallers

- Performance Requirements for Engine Modules
  - Engine Module Member (EMM)
  - Engine Operator (ENOP)
  - Engine Module Leader (EML)
- Operational Procedures
- Engine Inventories
- Water Tender Operators
  - Support
  - Tactical
  - Other Water Tenders
- Smokeyjumpers .....8-8
  - Policy
  - Smokeyjumper Organization
  - Operational Procedures
    - Coordination and Dispatch
    - Communications
    - Transportation
  - Safety
  - Training
  - Physical Fitness Standards
- Interagency Hotshot Crews (IHC).....8-10
  - Policy
  - IHC Organization
  - Availability Periods
  - Communications
  - Transportation
- Other Hand Crews .....8-11
  - Snake River Valley Crews (SRV)
  - Alaska Fire Service EFF Crews
- Interagency Fire Use Modules.....8-12
- Suppression Chemicals & Delivery Systems .....8-12
  - Policy For Use Of Fire Chemicals
  - Safety
    - Personal Safety and Protection
  - Environmental Guidelines for Delivery of Retardant or Foam Near Waterways
    - Definition
    - Guidelines
    - Guidance for pilots
      - Medium/Heavy Airtankers
      - Single Engine Airtankers/Helicopters
    - Exceptions
    - Operational Principles
    - Threatened and Endangered (T&E) Species
  - Long Term Retardant
    - Policy
  - Fire Suppressant Foam
    - Foam Use Policy

Operational Guidelines for Use of Fire Suppressant Foams  
 Proportioners  
 Wet Water  
 Conventional Nozzles and Backpack Pumps  
 Aspirating Nozzles  
 Compressed Air Foam Systems (CAFS)  
 CAFS Safety  
 Water Enhancers for Wildland Fire Suppression  
 Water Enhancer Safety

Dozers..... 8-17  
 Policy  
 Physical Fitness Standards  
 Operational Procedures

All Terrain Vehicles (ATV) ..... 8-18

Radio Communications ..... 8-19  
 Policy  
 Dispatch Recording Devices  
 Radio Frequency Management  
 Preassigned National Frequencies  
     National Air Guard  
     National Flight Following  
     National Interagency Air Tactics  
     National Interagency Airtanker Initial Call  
     National Government All-Call Frequencies  
 Incident Radio Support  
 Military Communications on an Incident  
 Cellular Communications/Satellite Phone Communication  
 Effective Radio Use

**9. Initial Attack**

Policy..... 9-1

Initial Attack Dispatch..... 9-1  
 Standard Operating Procedures  
     Organization  
     Dispatch Operations  
     Daily Duties  
     Initial Attack Response Plan  
     Emergency Operations (Fire/Non-fire)  
     Local Agreements  
     Communications  
     Weather  
     Fire Danger  
     Information to be Provided by Dispatch for Suppression/Support  
     Preparedness Levels  
     Aviation  
     Dispatch Center Staffing Plan  
     Expanded Dispatch Plan  
     Administrative Items

Accident/Incident  
 Medical Plan  
 Media Plan  
 Fire Size Up..... 9-4  
 Fire Cause Determination Checklist..... 9-4  
 Operational Briefings ..... 9-4  
     Procedures and Guidelines  
     Spot Weather Forecast  
 Strategy & Tactics ..... 9-5  
     Risk Management/LCES  
     Direct Attack  
     Indirect Attack  
     Hotspotting  
     Cold Trailing  
     Mopup  
 Managers After Action Review ..... 9-7  
     Standards

**10. Incident Management**

Introduction ..... 10-1  
 Policy..... 10-1  
 Incident Complexity Analysis ..... 10-2  
     Appraising the Situation  
 On-Site Incident Organizations ..... 10-3  
     Type 5 Incident  
     Type 4 Incident  
     Type 3 Incident  
     Type 2 Incident  
     Type 1 Incident  
     Unified Command  
     Complex  
     Area Command  
 Agency Administrators Responsibilities ..... 10-6  
     Agency Administrators Responsibilities to the IMT  
 Incident Management Teams (IMTs) ..... 10-7  
     Interagency Fire Use Management Teams  
     Type 2 Incident Management Teams  
         Short Team  
         Long Team  
     Type 1 Incident Management Teams  
     Area Command Teams  
 Transfer of Command..... 10-8  
     Ordering Unit and Incoming Incident Commander Responsibilities  
     Agency Administrator Briefing  
     Delegation of Authority  
 Release of Teams..... 10-10



Team Evaluation  
 Incident Management Considerations ..... 10-11  
     Wildland Fire Use for Resource Benefit  
     Minimum Impact Suppression Tactics (MIST)  
     Work/Rest Guidelines  
     Fire Rehabilitation  
     Incident Status Reporting  
 Off-site Coordination & Support..... 10-14  
     Initial Dispatch  
     Expanded Dispatch  
     Buying/Payment Teams  
     Multi-Agency Coordination Group (MAC)  
 Fire Management Organization Analysis ..... 10-16

**11. Wildland/Urban Firefighting**

Introduction ..... 11-1  
 Policy..... 11-1  
     Protection Agreements and Planning  
     Respiratory Protection  
 Wildland/Urban Interface Watch Outs ..... 11-5  
     Wildland/Urban Interface  
     Structure Triage  
     Structure Go/No-Go Reference  
     Hazmat IC Checklist  
 Hazardous Materials ..... 11-5  
     Hazardous Materials Response Requirements for Wildland Firefighter

**12. Aviation Operations/Resources**

Introduction ..... 12-1  
     Purpose and Scope  
     Organizational Responsibilities  
         Office Of Aircraft Services  
         State/Regional Office  
     Aviation Information Resources  
 Aviation Safety ..... 12-2  
     Risk Assessment and Risk Management  
     Aviation Watch Out Situations  
     Mission Planning/Hazard Mitigation  
     Aviation Safety Support  
     Aircraft and Pilot Carding  
     Military or National Guard Aircraft and Pilots  
     Aviation Safety Briefing  
     Aviation Hazard  
     SAFECOM  
     Aircraft Incidents/Accidents  
         Incidents  
         Accidents

Helitack ..... 12-6  
     PPE Requirements  
     Policy  
     Organization  
     Operational Procedures  
     Communication  
     Transportation  
     Safety  
     Training and Experience Requirements  
 Helicopter Rappel & Cargo Let-Down..... 12-10  
     Policy  
     Training and Qualification  
     Equipment and Procedure Development Process  
 Aerial Ignition ..... 12-10  
 Airtankers ..... 12-10  
     Operational Principles  
     Categories  
     Qualifications  
     Tanker Bases & Reload Facilities  
     Airtanker Base Operations  
     Airtanker Base Personnel  
     Startup/Cutoff Time for Airtankers  
 Single Engine Airtankers (SEAT) ..... 12-12  
     Single Engine Airtanker (SEAT) Operations  
     SEAT Policy and Standards  
     SEAT Organization/Training and Qualifications  
     Safety  
     Pilot Training  
     Operational Procedures  
     Communication  
 Aerial Supervision ..... 12-14  
     Low-Level Flight Operations  
     Congested Area Flight Operations  
     Aerial Supervision Module 1 (ASM1)  
     Operational Considerations  
     Policy  
     Air Tactical Group Supervisor (ATGS)  
     Operational Considerations  
     Leadplane  
 Air Space Coordination ..... 12-17  
     Policy  
 Types of Flights..... 12-17  
     Fixed-Wing Aircraft  
         Point-to-Point  
         Mission Flights  
     Helicopter  
         Mission Flights  
 Flight Following All Aircraft ..... 12-19

**13. Reviews & Investigations**  
 Introduction ..... 13-1  
 Policy ..... 13-1  
 Reviews ..... 13-1  
     Preparedness Reviews  
     Fire and Aviation Safety Reviews  
     Individual Fire Reviews  
       Local Level Review  
       State/Regional Level Review  
       National Level Review  
       Hotline Review  
       Incident Management Team Closeout and Review  
       Wildland Fire Review  
       Escaped Prescribed Fire Review  
 Investigations..... 13-4  
     Entrapment  
     Incidents with Potential and/or Non-Serious Injury  
     Wildland Fire Serious Accident  
     Investigation Process  
       Notification  
       Personnel Involved  
       Site Protection  
       Investigation  
     Roles and Responsibilities  
       Fire Directors  
       Agency Administrators  
     Reports  
       24-hour-Preliminary Report  
       72-hour-Expanded Report  
       The Factual Report  
       Management Evaluation (MER)  
     Board of Inquiry  
 Fire Investigation & Trespass..... 13-10  
     Introduction  
     Policy

**14. Administration**  
 Introduction ..... 14-1  
 Policy ..... 14-1  
     Objectives  
     Responsibility  
     Recent IIBMH Supplemental Direction  
       Overtime Pay and Maximum Earnings Limitation for Employees  
       Engaged in Fire Suppression Activities  
     Unique Items  
       Purchase or Rental of Recreational/Entertainment Items

The Incidental Expenditure Rate

Procurement..... 14-3

- Policy
- Service and Supply Plan
- Emergency Procurement
  - Buying Teams
  - Incident Contracting Officers
  - Purchase Cards and Convenience Checks

Contracts..... 14-4

- Policy
- Types of Contracts
  - National Contracts
  - Commissary Contract

Injury Compensation ..... 14-5

- Policy
- Federal Employees and Casuals
- Non-Federal Personnel
- Agency Provided Medical Care (APMC)

Hiring of Casuals..... 14-6

- Policy
- Pay Plan
- Casual Payroll
- Use of Pay Plan for Hazardous Fuel Reduction

Cache Management ..... 14-6

- National Interagency Support Caches
- Local Interagency Support Caches
- Initial Response Caches
- Inventory Management
  - System Implementation
  - Reporting Requirements
- Accountability
  - Trackable Items
  - Durable Items
  - Consumable Items
  - Incident-to-Incident Transfer of Supplies and Equipment
  - Fire Loss Tolerance Reporting for Type1 & 2 Incidents
  - Incident Supply and Equipment Return Procedures
  - Cache Return and Restock Procedures

Mobile Fire Equipment Policy ..... 14-9

Fire Equipment Management ..... 14-10

- Introduction
- Standards and Specifications
  - Fire Equipment Development
  - Equipment Development Process
  - Management of Standards
  - Classes of Standard Units
  - Equipment Deficiencies and Improvements
  - Funding Accessories and Upgrades

Valid/Invalid Expenditures of WCF Funds  
 Travel  
 Vehicle Repairs and Maintenance  
 Mid-cycle Maintenance  
 Fixed Ownership Rates (FORs)  
 Use Rates  
 Fire Equipment Committees  
 Property Transfer/Replacement  
 Fitness Equipment and Facilities  
 Wildland Fire Uniform Standards  
 Fire Management Credentials  
 Professional Liability Insurance

**Fire Policy Terms**.....Glossary-1

**Appendixes**

Delegation for Field Office Fire Management Officers..... A  
 Risk Management Process..... B  
 Job Hazard Analysis ..... C  
 Briefing Checklist..... D  
 How to Properly Refuse Risk ..... E  
 SAFENET Form ..... F  
 Incident Complexity Analysis Type 3,4,5 ..... G  
 Incident Complexity Analysis Type 1,2 ..... H  
 Health Screen Questionnaire (HSQ)..... I  
 Work Capacity Test Record ..... J  
 Engine Inventory ..... K  
 Crew Typing Chart..... L  
 Size Up Report ..... M  
 Spot Weather Request ..... N  
 Managers Supplement for After Action Review ..... O  
 Sample Questions for Fire Site Visits by Agency Administrators..... P  
 Sample Delegation of Authority/ Agency Administrators to IMT ..... Q  
 Interagency Incident Team Evaluation ..... R  
 Local Incident Commander Briefing ..... S  
 Agency Administrators Briefing to Incident Management Team..... T  
 M.I.S.T. Guidelines ..... U  
 Fire Management Organization Analysis ..... V  
 Wildland/Urban Interface Watch Outs ..... W  
 Structure Triage Checklist ..... X  
 Structure Go-No Go/Protection Checklist ..... Y  
 HazMat IC Checklist ..... Z  
 F.A.S.T. Delegation of Authority ..... AA  
 Annual Local Cache Inventory ..... BB