

# TABLE OF CONTENTS

## Chapter – 1

### BIA Wildland Fire and Aviation Program Organization and Responsibilities

A. Introduction.....	1-1
B. Wildland Fire Management Organization .....	1-1
C. Oversight Responsibilities .....	1-1
1. Director, Branch of Wildland Fire Management.....	1-1
2. Deputy Director, Branch of Wildland Fire Management .....	1-2
3. Assistant Director, Fire Operations .....	1-3
4. Associate Director, Fire Use & Fuels Management.....	1-3
5. Assistant Director, Planning .....	1-4
6. Assistant Director, Training .....	1-4
7. Aviation Program Manager.....	1-5
APPENDIX 1-1 Bureau of Indian Affairs Wildland Fire and Aviation Management Organization Chart.....	1-6

## Chapter – 2

### Policy, Leadership and Guidance

A. Introduction.....	2-1
B. Federal Wildland Fire Policy.....	2-1
1. Guiding Principles .....	2-2
2. Federal Wildland Fire Management Policy.....	2-3
3. Guidance for Implementation of the Federal Wildland Fire Management Policy.....	2-6
4. Implementation of the Federal Wildland Fire Management Policy .....	2-7
5. Department of the Interior Wildland Fire Management Policy (1998)..	2-8
6. Secretary of the Interior.....	2-8
7. Assistant Secretary - Policy, Management and Budget (PMB) .....	2-8
8. Assistant Secretaries for Land and Minerals Management, Fish and Wildlife and Parks, and Indian Affairs .....	2-9
C. Bureau of Indian Affairs Fire Management Policy .....	2-9
1. Mission .....	2-9
2. Wildland Fire Management Objectives.....	2-9
3. Responsibility .....	2-10
D. Wildland Fire Program Leadership.....	2-10
1. Wildland Fire Leadership Council (WFLC) .....	2-10
2. Interagency Fire Executive Council (IFEC) .....	2-11
3. National Wildfire Coordinating Group (NWCG) .....	2-12
E. Wildland Fire Coordinating Groups .....	2-12
1. Office of Wildland Fire Coordination (OWFC) .....	2-12
2. National Multi-Agency Coordination Group (NMAC) .....	2-12
3. Geographic Multi-Agency Coordination Groups (GMAC).....	2-13
4. Federal Emergency Management Agency (FEMA).....	2-13
5. National Interagency Coordination Center (NICC) .....	2-13
6. Geographic Area Coordination Centers (GACC).....	2-13

**Chapter – 2 continued**

**Policy, Leadership and Guidance**

F. Wildland Fire Interagency Agreements for Coordination and Cooperation..... 2-14

1. Department of the Interior and Department of Agriculture Interagency Agreement..... 2-14
2. International Agreements ..... 2-14
3. Memorandum of Understanding with Fire Departments ..... 2-14
4. Interagency Agreement with US Fish and Wildlife Service and the National Marine Fisheries Service..... 2-14

G. National Standards - Guides and Handbooks ..... 2-15

1. National Interagency Mobilization Guide (NFES 2092) ..... 2-15
2. Incident Response Pocket Guide (PMS 461)..... 2-15
3. Wildland Fire Qualifications System Guide (PMS 310-1) ..... 2-15
4. Fireline Handbook (PMS 410-1)..... 2-15
5. Interagency Incident Business Management Handbook (PMS 902-1)..... 2-16
6. The Interagency Burned Area Emergency Response Guidebook and DOI Burned Area Rehabilitation Guide..... 2-16
7. Interagency Prescribed Fire Planning and Implementation Procedures Reference Guide..... 2-16

**Chapter – 3**

**Program Planning**

A. Fire Management Plans ..... 3-1

1. Purpose..... 3-1
2. Procedures..... 3-2
3. NEPA and the Fire Management Plan ..... 3-3

B. Program Assessment..... 3-4

1. Fire Program Analysis..... 3-4
2. Fire Program Workload Shares..... 3-4
3. Fire Program Complexity..... 3-5

C. Situational Decision Support ..... 3-6

D. Support Planning Elements ..... 3-7

1. Fire Season Length and Determination..... 3-7
2. Unit Identifiers ..... 3-7
3. Fire Danger Rating ..... 3-9

E. Fire Occurrence Data and Reporting..... 3-11

1. Scope and Purpose..... 3-11
2. Data Sources, Forms, Reports, and Systems ..... 3-11
3. Individual Fire Reports (DI-1202-BIA) ..... 3-12
4. Incident Status Summary Reports (ICS-209) ..... 3-15
5. Situation Report ..... 3-17
6. Records Management for Fire Reports ..... 3-17

F. Fire Weather..... 3-18

1. Fire Weather Stations..... 3-18

APPENDIX 3-1, Interagency FMP Template ..... 3-23

**Chapter – 4****Program Preparedness/Readiness**

A. Introduction.....	4-1
B. Preseason Agreements, Contracts and Operating Plans .....	4-1
1. Authorities .....	4-1
2. Responsibility and Procedure.....	4-1
3. Agreement Elements.....	4-2
4. Types of Agreements .....	4-3
5. Annual Operating Plans for Agreements .....	4-4
6. Contracts.....	4-6
7. Emergency Assistance to Other Jurisdictions .....	4-7
8. Federal Emergency Management Agency and the WFM Program .....	4-8
C. Program Preparedness/Readiness Reviews .....	4-9
1. Purpose.....	4-9
D. Fire and Aviation Safety Reviews .....	4-11
1. Purpose.....	4-11
E. Administratively Determined Casual Pay Reviews .....	4-12
F. FireCode.....	4-12
1. FireCode Application.....	4-12
2. FireCode Business Rules .....	4-13
G. National Fire Danger Rating System .....	4-18
1. Introduction .....	4-18
2. NFDRS and Program Management .....	4-18
H. Seasonal Risk Analysis .....	4-20
1. Introduction .....	4-20
I. Severity .....	4-21
1. Definition .....	4-21
2. Objective .....	4-22
3. Interagency Severity Requests .....	4-22
4. Requesting Fire Severity Funding .....	4-22
5. Typical Uses.....	4-23
6. Authorization .....	4-23
7. Short Term Severity Funding .....	4-23
8. National Level Severity Funding.....	4-24
9. Labor Cost Coding for Severity Funded Personnel .....	4-27
10. Documentation .....	4-27
11. Severity Audits .....	4-27
J. Radio Communications .....	4-28
1. Policy.....	4-28
2. Radio Frequency Management .....	4-28
3. Pre-assigned National Frequencies .....	4-30
APPENDIX 4-1 Interagency Severity Funding Request .....	4-33
APPENDIX 4-2 AUTOMATED INFORMATION SYSTEMS.....	4-37
APPENDIX 4-3 BIA FireCode Activity Matrix.....	4-43

**Chapter – 5**

**Wildland Fire Prevention**

A. Introduction..... 5-1

B. Wildland Fire Prevention Program Guidance ..... 5-1

    1. Current Program ..... 5-1

    2. Prevention Planning ..... 5-2

    3. Funding Opportunities for Prevention Activities..... 5-2

    4. Prevention Program Monitoring and Review ..... 5-6

    5. Wildland Fire Investigation ..... 5-7

    6. National WeTIP Program ..... 5-8

APPENDIX 5-1 BIA Regional Wildland Fire Prevention Specialists ..... 5-9

**Chapter – 6**

**Fire Fighting Equipment**

A. Introduction..... 6-1

B. National Model 52 Wildland Engine Program ..... 6-1

C. Mission/Policy..... 6-1

D. Model 52 Replacement Guidelines ..... 6-2

E. Organization ..... 6-2

    1. Administration ..... 6-2

    2. Emergency Repairs ..... 6-2

    3. Non-Emergency/Non-Suppression Repairs ..... 6-3

F. Operational Procedures..... 6-3

G. Engine Crew Staffing..... 6-3

    1. Type 6 and 7 engines will have a minimum crew of two - an engine boss (ENGB) and a firefighter Type II (FFT2)..... 6-3

    2. Type 3, 4 or 5 engines will have a minimum crew size of three: ..... 6-3

H. Driving Standards..... 6-4

I. Commercial Drivers License (CDL) ..... 6-4

J. Casuals Hired as Drivers When Employed By BIA..... 6-4

K. Standards for Wildland Engines ..... 6-4

    1. Engine Water Reserve ..... 6-4

    2. Chocks ..... 6-4

    3. Fire Extinguisher ..... 6-4

    4. First Aid Kit..... 6-4

    5. Gross Vehicle Weight (GVW)..... 6-5

L. Speed Limits..... 6-5

M. Lighting..... 6-5

N. Emergency Light Use ..... 6-6

O. Fuel Use, Storage and Transportation ..... 6-6

P. Fire Engine Maintenance Procedure and Record..... 6-6

Q. Vehicle Repairs Maintenance..... 6-6

R. Engine Inventories..... 6-6

S. Water Tenders..... 6-7

    1. Water Tender (Non-Tactical)..... 6-7

    2. Water Tender (Tactical)..... 6-7

**Chapter – 6 continued****Fire Fighting Equipment**

T. Dozer/Tractor Plows .....	6-7
1. Dozer/Tractor Plow Training and Qualifications .....	6-7
2. Dozer/Tractor Plow Physical Fitness Standards .....	6-7
3. Dozer/Tractor Plow Operational Procedures .....	6-8
U. All Terrain Vehicles (ATV)/ Utility Terrain Vehicles (UTV) .....	6-8
V. Required PPE .....	6-9
1. ATV Head Protection for Wildland Fire Operations: .....	6-9
2. UTV Head Protection – Helmets must meet DOT, ANSI Z90.1; or Snell SA2005 or SA2010 unless: .....	6-9
3. Eye protection (goggles, face shield, or safety glasses) based upon JHA. ....	6-10
4. If operating ATV/UTV on the fireline, the following are required:.....	6-10
W. Operational Guidelines for Invasive Species .....	6-10
X. Aerial Ignition Devices .....	6-11
Y. Ground Ignition Devices .....	6-11
APPENDIX 6-1 Engine Equipment Inventory .....	6-13

**Chapter – 7****Fire Fighting Crews**

A. Introduction .....	7-1
B. Interagency Hotshot Crews .....	7-1
1. Policy .....	7-1
2. Mission .....	7-1
3. Program Guidance .....	7-1
4. IHC Organization .....	7-2
5. Safety .....	7-4
6. Training .....	7-4
7. Physical Fitness Standards .....	7-4
8. Operational Procedures .....	7-5
9. Communications .....	7-5
10. Transportation .....	7-5
11. Equipment Inventory .....	7-5
12. IHC Development Process .....	7-5
C. Type 2 Crews .....	7-7
1. Policy .....	7-7
2. Mission .....	7-8
3. Crew Organization .....	7-8
4. National Minimum Standards (Physical Fitness and Training) for Fire Fighters .....	7-9
5. Personal Gear Requirements for Firefighters .....	7-9
6. EFF Program Management and Funding .....	7-11
APPENDIX 7-1 Minimum Crew Standards for National Mobilization .....	7-17
APPENDIX 7-2 BIA/Tribal Hotshot Crews .....	7-19
APPENDIX 7-3 FFT1 and FFT2 Required Training and Experience .....	7-21

**Chapter – 8****Aviation Operations**

A. Introduction.....	8-1
B. Roles and Responsibilities .....	8-2
1. Aviation Management Directorate .....	8-2
2. National Office Level .....	8-2
3. Regional Office Level .....	8-3
4. Agency/Field Office Level.....	8-3
C. Aviation Information Resources.....	8-4
1. Reference Materials .....	8-4
D. Aviation Safety .....	8-4
1. Aviation Safety Assistance .....	8-6
2. Aviation Watch Out Situations .....	8-7
3. Mission Planning/Hazard Mitigation .....	8-8
4. Aircraft and Pilot Carding .....	8-8
5. Use of Military or National Guard aircraft and pilots .....	8-9
6. Aviation Safety Briefing .....	8-9
7. Low-level Flight and Congested Area Operations .....	8-9
E. Aviation Hazards .....	8-11
1. Definition .....	8-11
2. Aerial Hazards.....	8-11
F. Aircraft Incident/Accidents .....	8-12
1. Incidents.....	8-12
2. SAFECOM - Incident/Hazard/ Maintenance Deficiency Reporting ....	8-12
3. Accidents.....	8-13
G. Air Operations .....	8-14
1. Interagency Interim Flight and Duty Limitations .....	8-14
2. Helicopter Operations.....	8-16
3. Helitack .....	8-17
H. Air Tankers .....	8-19
1. Air tanker Base Personnel.....	8-20
2. Air tanker Categories.....	8-20
3. Qualifications.....	8-20
4. Tanker Bases & Reload Facilities .....	8-20
5. Air tanker Base Operations .....	8-21
6. Canadian Air tankers.....	8-22
I. Single Engine Air tanker (SEAT) Operations, Procedures and Safety .....	8-22
1. SEAT Manager Position .....	8-22
2. Operational Procedures .....	8-22
3. Communications .....	8-23
J. Leadplane Operations .....	8-23
1. Policy.....	8-23
2. Operating Practices.....	8-24
3. Operational Considerations.....	8-24

**Chapter – 8 continued****Aviation Operations**

K. Air Tactical Operations .....	8-27
1. Policy.....	8-27
2. Organization.....	8-28
3. Operational Considerations.....	8-29
4. Airspace Coordination.....	8-29
L. Flight Management/Flight Following.....	8-30
1. Policy.....	8-30
2. Types of Flights – Fire & Fire Support.....	8-31
3. End Product Flights.....	8-32
4. Flight Manager Responsibilities for Fixed-wing Aircraft Point-to-point Flights .....	8-32
5. Tactical/Special Use Flights - Fixed Wing .....	8-33
6. Tactical/Special Use Flights - Helicopters .....	8-33
APPENDIX 8-1 SAFECOM.....	8-35
APPENDIX 8-2 BIA Exclusive Use Helicopter Module Positions.....	8-37

**Chapter – 9****Safety and Risk Management**

A. Introduction.....	9-1
B. Policy.....	9-1
C. Guiding Principles .....	9-1
D. Goal.....	9-2
E. Risk Management Process.....	9-2
F. Job Hazard Analysis (JHA).....	9-3
G. Work/Rest.....	9-3
1. Assignment Definition.....	9-4
2. Length of Assignment.....	9-4
3. Days Off .....	9-4
4. Assignment Extension.....	9-5
5. Single Resource/Kind Extensions .....	9-5
6. Incident Management Team Extensions .....	9-6
7. Management Directed Days Off at Home Unit .....	9-6
H. Motor Vehicle Operation Policy .....	9-6
1. Policy.....	9-6
2. Driver Qualifications .....	9-6
3. Roles & Responsibilities of Supervisors.....	9-7
4. Terminate driving privileges for a Motor Vehicle Operator who is: .....	9-7
5. Motor Vehicle Operator Requirements.....	9-8
6. Incident Driving Operations.....	9-9
7. Casuals hired as drivers when employed by BIA .....	9-10
I. Wildland Fire Field Attire .....	9-10

**Chapter – 9 continued****Safety and Risk Management**

J.	Personal Protective Equipment (PPE).....	9-11
1.	Policy.....	9-11
2.	Required PPE .....	9-11
3.	Fire Shelters.....	9-12
4.	Head Protection .....	9-12
5.	Eye and Face Protection.....	9-13
6.	Hearing Protection.....	9-13
7.	Neck Protection.....	9-14
8.	Leg Protection.....	9-14
9.	Respiratory Protection.....	9-14
10.	Specialized or Non Standard Personal Protective Equipment (PPE).....	9-15
11.	High Visibility Vests .....	9-15
K.	Fireline Safety .....	9-15
1.	Incident Briefings.....	9-15
2.	Incident Safety Oversight .....	9-16
3.	Incident Emergency Management Planning.....	9-16
4.	Air Ambulance Services .....	9-16
5.	Location of Fire Camps and Plans to Remain in Place .....	9-17
6.	Incident Communications Frequency Management .....	9-17
7.	LCES–A System for Operational Safety.....	9-18
8.	Standard Safety Flagging.....	9-18
9.	Six Minutes for Safety.....	9-18
10.	Unexploded Ordnance (UXO).....	9-19
11.	Hazardous Materials .....	9-19
12.	Emergency Non-Wildland Fire Response-Hazardous Materials: .....	9-20
13.	Emergency Non-Wildland Fire Response-Emergency Medical Response:.....	9-20
14.	Roadside Response:.....	9-20
15.	Responding to Wildland Fires in or near Oil and Gas Operations:.....	9-21
16.	Responding to Wildland Fires in or Near Radioactive Locations.....	9-22
17.	Hydrogen Cyanide (HCN) .....	9-22
18.	Smoke and Carbon Monoxide.....	9-23
19.	Safety for Non-Operational Personnel Visiting Fires .....	9-23
20.	Visits to the Fireline .....	9-24
21.	Helicopter Observation Flights .....	9-25
22.	Fixed-Wing Observation Flights .....	9-25
L.	SAFENET.....	9-26
M.	Required Treatment for Burn Injuries .....	9-27
1.	Burn Injury Criteria .....	9-27
2.	Accident/Injury Reporting .....	9-28
N.	Critical Incident Management.....	9-29



**Chapter – 10****Business Management and Administration**

A. Policy.....	10-1
B. Management of Human Resources.....	10-1
1. Recruitment.....	10-1
C. Pay Provisions.....	10-7
1. Overtime Pay.....	10-7
2. Hazard Pay.....	10-8
3. Coding of Time for Fire Management Personnel Time.....	10-8
4. Coding of Time for Non-Fire Management Personnel.....	10-9
D. Personnel Timekeeping/Recording.....	10-9
1. Timekeeping/Recording Objective.....	10-9
E. Commissary.....	10-10
1. Purpose.....	10-10
2. Posting Commissary Issues.....	10-10
F. Travel.....	10-10
1. Responsibility.....	10-10
2. Travel Authorization and Vouchers.....	10-10
3. Government Integrated Charge Cards.....	10-11
G. Acquisitions.....	10-11
1. Authority.....	10-11
2. Acquisition Methods.....	10-11
3. Contracting Officer/Purchasing Agent/Buying Team Member.....	10-12
H. Convenience Checks For Emergency Incident Support Procedure.....	10-18
I. Emergency Equipment Rental Agreements.....	10-18
1. Procedure.....	10-18
J. Centralized Emergency Firefighter Payment Center.....	10-21
1. Authority.....	10-21
2. Policy.....	10-21
3. Regional Points of Contacts.....	10-22
4. Regional and Agency Responsibilities.....	10-22
K. All Hazard Incidents.....	10-23
1. Authority.....	10-23
2. Policy.....	10-24
3. Pay Provisions.....	10-24
4. Cooperative Relations.....	10-24
Appendix 10-1 Motor Vehicle Operator's License and Driving Record.....	10-25

**Chapter – 11****Incident Organization, Management and Operations**

A. Introduction.....	11-1
1. National Response Framework.....	11-1
2. The National Interagency Incident Management System (NIIMS).....	11-1
3. Incident Command System (ICS).....	11-1
B. Incident Organization.....	11-2
1. Incident Command.....	11-2
C. Types of Incidents.....	11-3
1. Type 5 Incidents.....	11-3
2. Type 4 Incidents.....	11-4
3. Type 3 Incidents.....	11-4
4. Type 2 Incidents.....	11-7
5. Type 1 Incidents.....	11-8
6. Unified Command.....	11-10
7. Area Command.....	11-11
D. Managing the Incident.....	11-12
1. Agency Administrator's Responsibilities to the Incident Management Team.....	11-12
2. The Agency Administrator Representative Responsibilities.....	11-14
3. Resource Advisor Responsibilities.....	11-15
4. Resource Advisor and Agency Administrator Representative.....	11-16
5. Trainees.....	11-16
E. Incoming Team Transition/Transfer of Command.....	11-17
1. Transfer of Command Responsibilities.....	11-17
2. Agency Administrator Briefing.....	11-18
3. Local Agency Incident Commander Briefing.....	11-18
4. Assuming Command of an Incident by an IMT.....	11-18
F. Incident Management Considerations.....	11-18
1. Incident Business Management.....	11-19
2. Cost Containment.....	11-20
3. Large Fire Cost Reviews.....	11-20
4. When a written Incident Action Plan is required, suggested components may include.....	11-21
5. The Incident Status Summary (ICS-209).....	11-21
6. Large fires.....	11-22
7. FLAME Fund Act.....	11-22
G. Release of Incident Management Teams From an Incident.....	11-23
1. Process to Release an IMT from an Incident.....	11-23
2. Incident Management Team Evaluation.....	11-25
H. Coordination and Support Organizations.....	11-25
1. Initial Action Dispatch.....	11-25
2. Expanded Dispatch.....	11-26
3. Buying Teams.....	11-27
4. Administrative Payment Teams.....	11-27
5. Multi-Agency Coordination Groups.....	11-27

**Chapter – 11 continued****Incident Organization, Management and Operations**

APPENDIX 11-1 Agency Administrator's Briefing to Incident Management Team .....	11-29
APPENDIX 11-2 Wildfire Delegation of Authority (Example).....	11-41
APPENDIX 11-3 Incident Commander Briefing.....	11-43
APPENDIX 11-4 Incident Team Evaluation.....	11-47
APPENDIX 11-5 Administrative Payment Team Delegation of Authority (Example).....	11-49

**Chapter – 12****Developing a Response to Wildfires**

A. Introduction.....	12-1
B. Purpose.....	12-1
1. Fire Management Planning (FMP) Process and Requirements .....	12-1
2. Strategic and Operational Elements.....	12-1
3. FMP Updates .....	12-2
C. Policy Planning.....	12-2
D. Concepts and Definitions.....	12-2
1. Land/Resource Management Plan.....	12-2
2. Fire Management Plan (FMP).....	12-2
3. Fire Management Unit.....	12-3
4. Wildland Fire .....	12-3
E. Annual Operating Plan and General Elements.....	12-3
1. Mutual Aid .....	12-4
2. Command Structure .....	12-4
3. Communications .....	12-4
4. Distance/Boundaries .....	12-5
5. Time/Duration.....	12-5
6. Qualifications/Minimum Requirements.....	12-5
7. Reimbursement/Compensation.....	12-6
8. Cooperation.....	12-6
9. Agency Review and Investigations.....	12-6
10. Dispatch Center .....	12-6
11. Fiscal Responsibility Elements that should be addressed in an AOP.....	12-6
12. Preplanned response to an incident.....	12-8
13. Emergency Operations (Fire/Non-fire) .....	12-8
14. Local Agreements should be maintained on file and reviewed annually with the respective cooperators. ....	12-9
15. Communications .....	12-9
16. Weather.....	12-9
17. Fire Danger .....	12-10
18. Briefings .....	12-10
19. Preparedness Levels.....	12-10
20. Aviation .....	12-11
21. Dispatch Center Staffing Plan .....	12-11
22. Expanded Dispatch Plan.....	12-11

**Chapter – 12 continued****Developing a Response to Wildfires**

23. Administrative.....	12-12
24. Accident/Incident.....	12-12
25. Medical Plan.....	12-12
26. Media Plan.....	12-13
F. Responding to Wildfires.....	12-13
1. Definitions.....	12-13
2. Initial Attack Operations.....	12-14
G. Extended Attack Operations.....	12-18
1. Definition.....	12-18
2. Organization.....	12-18
3. Wildfire Complexity Analysis (WCA).....	12-19
4. Organizational Needs Analysis.....	12-19
H. Wildland Fire Situation Analysis (WFSA).....	12-22
I. Wildland Fire Decision Support System (WFDSS).....	12-22
1. WFDSS is designed to:.....	12-22
2. WFDSS Standard or Custom Reports.....	12-23
3. Clarification of Expectations.....	12-23
J. Large Fire Operations Definitions.....	12-26
1. Large Fire.....	12-26
2. Long Term/Duration Fire.....	12-26
3. FLAME ACT 2009.....	12-27
K. Wildland Urban Interface Firefighting.....	12-27
1. Introduction.....	12-27
2. Policy.....	12-28
L. Fuels Management and Hazardous Fuels Program Planning and Implementation.....	12-30
1. Prescribed Fire or Wildfire for Resource Benefit Objectives Approvals at Planning Levels 4 and 5.....	12-30
APPENDIX 12-1 Operational Briefing Checklist.....	12-33
APPENDIX 12-2 Spot Weather Forecast Request.....	12-35
APPENDIX 12-3 Delegation of Authority: Type 3, 4 & 5 Incidents.....	12-37

**Chapter – 13****Training and Qualifications**

A. Introduction.....	13-1
B. Policy.....	13-1
1. Director, Branch of Fire Management.....	13-1
2. Regional Directors.....	13-2
3. Agency Superintendents and Line Officers of Tribal Fire Programs.....	13-2
C. Incident Qualifications and Certification System (IQCS).....	13-2
1. Certification of Non-Agency Personnel.....	13-3
2. Incident Qualification Card.....	13-3
3. Incident Qualification Card Expiration Dates.....	13-3
D. Universal Training Requirements.....	13-4
E. Annual Fireline Safety Refresher Training.....	13-4

**Chapter – 13 continued****Training and Qualifications**

F.	Position Certification and Currency .....	13-5
1.	Certifying Officials or certification committees will:.....	13-5
2.	Loss of Currency .....	13-6
3.	Recertification Considerations.....	13-6
4.	Non-NWCG Agency Personnel Qualifications.....	13-7
5.	Non-NWCG Agency Personnel Use on Prescribed Fire.....	13-7
G.	Physical Fitness .....	13-7
H.	Medical Examinations .....	13-8
1.	Department of Interior Wildland Firefighter Medical Standards Program (DOI/MSP).....	13-8
2.	Medical Examination Process for Light and Moderate Work Capacity Test Applicants .....	13-9
3.	Health Screen Questionnaire (HSQ).....	13-10
I.	Work Capacity Testing .....	13-10
1.	WCT Categories.....	13-10
2.	WCT Administration .....	13-11
3.	WCT Retesting .....	13-13
J.	Training Management .....	13-13
1.	Training Needs Analysis.....	13-13
2.	Individual Development Plans.....	13-14
3.	Position Task Books.....	13-14
4.	Training Plans .....	13-15
5.	Training Nomination Process .....	13-16
6.	Instructor Qualifications.....	13-16
7.	Course Coordination .....	13-16
K.	Course Equivalencies.....	13-16
1.	Leadership Training.....	13-16
2.	Prevention Training .....	13-16
L.	BIA Certified Positions.....	13-17
1.	Prescribed Fire Burn Boss 3 (RXB3).....	13-17
2.	Interagency Hotshot Superintendent.....	13-18
3.	Assistant Interagency Hotshot Superintendent .....	13-18
4.	Sawyer/Faller Qualifications.....	13-18
5.	Emergency Firefighter (AD) Chainsaw Operators .....	13-20
M.	BIA Required Training .....	13-20
N.	Funding for Training .....	13-20
1.	General Schedule and Tribal Contract/Compact Fire Employees ...	13-20
2.	AD/EFF Hires .....	13-21
	APPENDIX 13-1 BIA Medical Examination Requirement.....	13-23

**Chapter – 14**

**Financial Management**

A. Introduction..... 14-1

B. Program Budget ..... 14-1

    1. Annual Appropriations ..... 14-1

    2. Budget Officer ..... 14-2

    3. Fiscal Year 2011 Accounting Structure ..... 14-2

C. Project Cost Accounting Procedures ..... 14-2

    1. The originating and approving sections at the BIA-NIFC are: ..... 14-3

    2. Cost Accounting Tables ..... 14-3

D. One-Time Funding ..... 14-4

    1. Purpose of Subsidiary Program ..... 14-4

    2. Procedure For Requesting One-Time Funding ..... 14-4

APPENDIX 14-1 Wildland Fire Management Appropriation Fiscal Year 2011 Accounting Structure..... 14-5

APPENDIX 14-2 Wildland Fire Management Appropriation Project Cost Accounting Sub-system Character Designations ..... 14-7

APPENDIX 14-3 Procedures for One-Time Funding Submission..... 14-9

**Chapter – 15**

**Emergency Stabilization (ES) and Burned Area Rehabilitation (BAR) Programs**

A. Introduction..... 15-1

    1. Policy..... 15-1

    2. ES and BAR Plans ..... 15-3

    3. Approvals ..... 15-4

    4. Funding ..... 15-4

    5. Time Frames ..... 15-5

B. BAER Coordinators ..... 15-6

    1. National BAER Coordinator..... 15-6

    2. Tri-Regional BAER Coordinator ..... 15-7

    3. Regional Coordinators..... 15-7

    4. Implementation Leader..... 15-9

C. Emergency Stabilization/Burned Area Rehabilitation Process ..... 15-10

    1. Perform a Preliminary Complexity Analysis of the post-fire effects . 15-10

    2. Assemble the ES/BAR Planning Team ..... 15-10

    3. Review Resource and Fire Data ..... 15-10

    4. Begin Assessment of Post-Fire Effects ..... 15-11

    5. Write an ES and/or BAR Plan ..... 15-11

    6. Select an Implementation Leader..... 15-12

    7. Implement ES and BAR Plan Treatment Specifications..... 15-12

    8. Monitor and Assess the Treatments/Activities Specifications Implemented. .... 15-12

    9. Submit Monitoring, Annual, and Final Accomplishment Reports..... 15-12

D. ES Allowable/Prohibited Actions ..... 15-13

    1. Cultural Resources..... 15-13

    2. Non-Native Invasive Control..... 15-14

    3. Revegetation ..... 15-15

<b>Chapter – 15 continued</b>	
<b>Emergency Stabilization (ES) and</b>	
<b>Burned Area Rehabilitation (BAR) Programs</b>	
E. Burned Area Rehabilitation (BAR).....	15-16
1. Allowable Actions.....	15-16
2. Prohibited Actions.....	15-16
F. BAER Teams.....	15-17
1. National Teams.....	15-17
2. Regional/Local Teams.....	15-17
G. Training.....	15-17
H. Process for Requesting Funds.....	15-17
1. Project Funding Process.....	15-17
I. Monitoring and Evaluation.....	15-19
1. Responsibility.....	15-19
2. Report Requirements.....	15-20
J. Information Sharing.....	15-20
1. National BAER Coordinator’s Responsibility.....	15-20
2. Web Site.....	15-21

**Chapter – 16****Rural Fire Assistance/Ready Reserve Programs**

A. Rural Fire Assistance.....	16-1
1. Policy.....	16-1
2. Program Purpose.....	16-1
3. National Rural Fire Assistance Leads.....	16-2
4. Program Administration.....	16-2
5. Eligibility Criteria.....	16-3
6. Evaluation Criteria.....	16-4
7. Property Acquisition and Management.....	16-5
8. Program Funding.....	16-7
9. Program Account Structure.....	16-8
10. Reporting of Annual Program Accomplishments.....	16-8
11. RFA Program Monitoring and Accountability.....	16-8
B. Ready Reserve.....	16-8
1. Policy.....	16-8
2. Criteria For Rural Fire Departments To Participate.....	16-9
3. Implementation.....	16-9
4. Administration Procedures.....	16-11
5. Reporting Requirements.....	16-13

**Chapter – 17**

**Tribal Contracts/Compacts**

A. Introduction..... 17-1

B. Fire Management Administration..... 17-1

    1. Guiding Principles ..... 17-1

    2. Inherently Federal Activities ..... 17-2

    3. Wildland Fire Management Funding ..... 17-2

    4. Program Operational Standards..... 17-8

    5. Indirect Cost..... 17-9

    6. Minimum Provisions for Contract and Annual Funding Agreements . 17-9

**Chapter 18**

**Reviews and Investigations**

A. Introduction..... 18-1

    1. Multiagency Cooperation..... 18-1

    2. Federal Interagency Investigations ..... 18-2

B. Policy..... 18-2

C. Reviews..... 18-2

    1. Review Types and Requirements ..... 18-3

    2. Preparedness Reviews ..... 18-3

    3. After Action Review (AAR) ..... 18-3

    4. Fire and Aviation Safety Team Reviews (FAST) ..... 18-4

    5. Aviation Safety and Technical Assistance Team Review (ASTAT) ... 18-5

    6. Large Fire Cost Reviews ..... 18-5

    7. Individual Fire Review ..... 18-6

    8. Lessons Learned Review (LLR) ..... 18-6

    9. Escaped Prescribed Fire Review ..... 18-7

    10. Investigation Types and Requirements ..... 18-8

    11. Investigations ..... 18-8

D. Processes Common to Serious and Non-Serious Wildland  
Fire Investigations ..... 18-10

    1. Site Protection..... 18-10

    2. Management of Involved Personnel..... 18-10

    3. Critical Incident Stress Management (CISM) ..... 18-10

    4. 24-Hour-Preliminary Report ..... 18-11

    5. 72-Hour Expanded Report ..... 18-11

    6. Serious Accident Investigation (SAI) Process ..... 18-11

E. Serious Accident Investigation Team Composition ..... 18-13

    1. Team Leader (Core Team Member)..... 18-13

    2. Chief Investigator (Core Team Member)..... 18-13

    3. Accident Investigation Advisor/Safety Manager  
    (Core Team Member)..... 18-13

    4. Interagency Representative ..... 18-13

    5. Technical Specialists..... 18-14

    6. Public Affairs Officer..... 18-14

    7. Documentation Specialist/Writer Editor ..... 18-14

    8. The Final Report ..... 18-14



**Chapter 18 continued****Reviews and Investigations**

9. Factual Report.....	18-15
10. Management Evaluation Report (MER).....	18-15
F. Investigation Report Standard Format.....	18-16
1. Executive Summary .....	18-16
2. Narrative.....	18-16
3. Investigation Process .....	18-16
4. Findings.....	18-16
5. Discussion.....	18-17
6. Recommendations .....	18-17
7. Conclusions and Observations.....	18-17
8. Maps/Photographs/Illustrations .....	18-17
9. Appendices .....	18-17
10. Records.....	18-17
11. Board of Review.....	18-17
G. Wildland Fire Non-Serious Accident Investigation Process .....	18-18
1. Notification .....	18-18
2. Investigation Team Membership .....	18-18
3. Final Report.....	18-18
H. Non-Serious Accident Investigation Report Standard Format .....	18-18
1. Executive Summary .....	18-18
2. Narrative:.....	18-19
3. Investigation Process .....	18-19
4. Findings.....	18-19
5. Discussion.....	18-19
6. Recommendations .....	18-19
7. Conclusions and Observations.....	18-19
8. Maps/Photographs/Illustrations .....	18-20
9. Appendices .....	18-20
10. Records.....	18-20
I. Wildland Fire Trespass.....	18-20
1. Policy.....	18-20
2. Professional Liability Insurance.....	18-23

**Chapter 19**

**Suppression Chemicals and Delivery Systems**

A. Introduction..... 19-1

B. Types of Fire Chemicals..... 19-1

    1. Long-Term Retardant..... 19-1

    2. Fire Suppressant Foam..... 19-1

    3. Wet Water ..... 19-2

    4. Water Enhancer (Gel) ..... 19-2

C. Safety Information ..... 19-2

    1. Personnel Safety..... 19-2

    2. Aerial Application Safety ..... 19-3

D. Policy for Delivery of Wildland Fire Chemicals near Waterways ..... 19-3

    1. Exceptions..... 19-4

    2. Definition of Waterway ..... 19-4

    3. Guidance for Pilots ..... 19-4

    4. Reporting Requirements of Wildland Fire Chemicals  
        into Waterways..... 19-5

E. Endangered Species Act (ESA) Emergency Consultation ..... 19-6