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Field Manager's Course Guide

PMS 901-1 **December 2004**

INTRODUCTION

The Field Manager's Course Guide (FMCG) is designed to provide administrative information concerning the National Wildfire Coordinating Group (NWCG) training curriculum. This document supercedes any other versions of the Guide. It is to be used in conjunction with the "Wildland and Prescribed Fire Qualifications System Guide," PMS 310-1. Only NWCG-certified training courses and materials are included in this Guide. Information concerning Technical Specialist and agency-derived training packages are not included. NWCG courses referenced in this Guide are available for order through the Publications Management System. For catalog, reference: http://www.nwcg.gov/pms/pubs/pubs.htm.

Updates to the FMCG will be incorporated as NWCG training course materials are revised, and the courses will reflect the information in this Guide as well. An "Errata Sheet" will be included with each modification to inform field users of the specific changes and the effective date. These pages will be maintained in Appendix A.

DESCRIPTION OF THE PERFORMANCE BASED SYSTEM

The NWCG Wildland and Prescribed Fire Qualification System is a "performance based" qualifications system. In this system, the primary criterion for qualification is individual performance as observed by an evaluator using approved standards. This system differs from previous wildland fire qualifications systems which have been "training based." Training based systems use the completion of training courses or a passing score on an examination as a primary criteria for qualification.

A performance based system has two advantages over a training based system:

- Qualification is based upon real performance, as measured on the job, versus perceived performance, as measured by an examination or classroom activities.

- Personnel who have learned skills from sources outside wildfire suppression, such as agency specific training programs or training and work in prescribed fire, structural fire, law enforcement, search and rescue, etc., may not be required to complete specific courses in order to qualify in a wildfire position.

1. The components of the wildland fire qualifications system are as follows:

   a. Position Task Books (PTB) contain all critical tasks which are required to perform the job. PTBs have been designed in a format which will allow documentation of a trainee's ability to perform each task. Successful completion of all tasks required of the position, as determined by an evaluator, will be the basis for recommending certification.

      IMPORTANT NOTE: Training requirements include completion of all required training courses and prerequisite experience prior to obtaining a PTB. Use of the suggested training courses or job aids is recommended to prepare the employee to perform in the position.

   b. Training courses and job aids provide the specific skills and knowledge required to perform tasks as prescribed in the PTB.

   c. Agency Certification is issued in the form of an incident qualification card certifying that the individual is qualified to perform in a specified position.

2. Responsibilities

   Each agency is responsible for selecting trainees, proper use of task books, and certification of trainees (see Appendix A of the NWCG Wildland and Prescribed Fire Qualification System Guide, PMS 310-1, for further information).

National Wildfire Coordinating Group
Training Working Team
Position on Course Presentation and Materials

The suggested hours listed in the Field Manager's Course Guide are developed by Subject Matter Experts based on their estimation of the time required to present all material needed to adequately teach the unit and course objectives. The hours listed can vary slightly due to factors such as the addition of local materials. NWCG is aware that there have been courses presented in an abbreviated form, varying greatly from the suggested course hours. Instructors and students are cautioned that in order to be recognized as an NWCG certified course certain guidelines must be followed. These guidelines are:

- Lead instructors are encouraged to enhance course materials to reflect the conditions, resources and policies of the local unit and area as long as the objectives of the course and each unit are not compromised.

- Exercises can be modified to reflect local fuel types, resources and conditions where the student will be likely to fill incident assignments. The objectives and intent of the exercises must remain intact.

- Test questions may be added that reflect any local information that may have been added to the course. However, test questions in the certified course materials should not be deleted to ensure the accurate testing of course and unit objectives.

- Test grades, to determine successful completion of the course, shall be based only on the questions in the certified course materials.

If lead instructors feel that any course materials are inaccurate, that information should be submitted by e-mail to NWCG Fire Training at nwcg_standards@nifc.blm.gov Materials submitted will be evaluated and, where and when appropriate, incorporated into the appropriate courses.

Course Length for NWCG Courses

If a course is available through PMS the *recommended* course hours and the "NWCG Position on Course Presentation and Materials" will be adhered to by the course instructors.

If the course is not available through PMS, e.g., L-380, and has been developed using NWCG course criteria, *minimum* course hour requirements have been established and must be adhered to by the course developer and the course instructors.

Course hours for all NWCG courses can be found in the Field Manager's Course Guide http://www.nwcg.gov/pms/training/fmcg.pdf. If the hours are a minimum versus recommended they will be stated as such.

NWCG INSTRUCTOR QUALIFICATIONS

A "qualified instructor" means the instructor meets the position currency requirements as described in the Wildland and Prescribed Fire Qualification System Guide, PMS 310-1. Instructors are **not** required to meet physical fitness and annual refresher requirements to be considered qualified.

Certification of instructor qualifications is the responsibility of the employing agency.

Refer to courses within this Guide for specific course instructor requirements.

The NWCG has established the following general instructor requirements and levels:

Instructor Levels

- *Lead instructors* must have sufficient experience in presenting all units of the course to be capable of last-minute substitution for unit instructors. It is recognized that exceptions may occur where courses are of such a technical nature that no one person may be technically competent to instruct all units.
- *Unit instructors* must be experienced in the lesson content they are presenting.
- *Adjunct Instructors* may be utilized to provide limited instruction in specialized knowledge and skills at the discretion of the lead instructor. They must be experienced, proficient, and knowledgeable of current issues in their field of expertise.

Training Requirements for Instructors

- ***100 level courses***

  No instructor training required, and may be taught by anyone possessing the knowledge and skills with local approval.

- ***200 level courses***

  Unit instructors *should* have 32 hours of instructor training (Facilitative Instructor, M-410 or equivalent course).

  Lead instructors are *required* to have 32 hours of instructor training (Facilitative Instructor, M-410 or equivalent course).

- ***300 and above level courses***

  All instructors are *required* to have 32 hours of instructor training (Facilitative Instructor, M-410 or equivalent course).

COURSE LEVEL DESCRIPTIONS

The first digit of a course number designates the complexity level at which the course is designed to be presented and also indicates the organizational level at which the course should be given.

Entry Level

100 =\

Local entry-level skills development

200 =/

Mid-level

300 =\

Midlevel and/or geographic area level management skills

400 =/

Advanced Level

500 =\

Advanced/national level management skills

600 =/

The NWCG Development Unit will assign the appropriate complexity/organizational level designation to the course. Assignments will be based on the formula listed above, the analysis of the project development team, the target group, the recommendations from the project leader and input from other NWCG Teams that may be involved.

TESTING STANDARDS

The standard for passing an NWCG course is 70%. This change was initiated to attain consistency with the academic community. The standard will be incorporated into the curriculum as courses are revised and new developments are undertaken. Courses that currently have a standard other than 70% will remain at that percentage until they are revised.

The instructor guides will identify the evaluation criteria for each course. Some courses may use course components, e.g., pre-course tests, unit tests, class participation, final exams, to aggregate the passing score. The passing score will be based on the final exam unless otherwise stated.

INDEX OF COURSES DESCRIBED IN THE FMCG

"D" (Dispatch) Courses

D-110	Dispatch Recorder
D-111	Entry Level Dispatcher (previously D-105)
D-310	Support Dispatcher

"I" (Incident Command System) Courses

I-100	Introduction to ICS
I-200	Basic ICS
I-300	Intermediate ICS
I-400	Advanced ICS
I-401	Multi-Agency Coordination
I-402	ICS for Executives

“L” Leadership Courses

L-180	Human Factors on the Fireline
L-280	Followership to Leadership
L-380	Fireline Leadership

"M" Management Courses

M-410	Facilitative Instructor
M-480	Multi-Agency Coordination Group

"P" (Prevention) Courses

P-101	Introduction to Wildland Fire Prevention
P-110	Inspecting Fire-Prone Property
P-130	Fire Cause Determination for First Responders
P-301	Wildfire Prevention Planning

"RX" (Prescribed Fire) Courses

RX-300	Prescribed Fire Burn Boss
RX-310	Introduction to Fire Effects (previously RX-340)
RX-410	Smoke Management Techniques

"S" (Suppression Skills) Courses

S-110	Wildland Fire Suppression Orientation
S-130	Firefighter Training
S-131	Advanced Firefighter Training
S-133	Look Up, Look Down, Look Around
S-134	LCES
S-190	Introduction to Wildland Fire Behavior
S-200	Initial Attack Incident Commander
S-203	Introduction to Incident Information
S-211	Portable Pumps and Water Use
S-212	Wildfire Powersaws
S-215	Fire Operations in the Urban Interface
S-216	Driving for Fire Service
S-230	Crew Boss (Single Resource)
S-231	Engine Boss (Single Resource)
S-232	Dozer Boss (Single Resource)
S-233	Tractor/Plow Boss (Single Resource)
S-234	Ignition Operations
S-244	Field Observer
S-245	Display Processor
S-248	Status/Check-in Recorder
S-258	Incident Communications Technician
S-260	Interagency Incident Business Management
S-261	Applied Interagency Incident Business Management
S-270	Basic Air Operations
S-271	Interagency Helicopter Training (previously S-217)
S-273	Single Engine Air Tanker Manager
S-290	Intermediate Wildland Fire Behavior
S-300	Extended Attack Incident Commander
S-330	Task Force/Strike Team Leader
S-336	Fire Suppression Tactics
S-339	Division/Group Supervisor
S-346	Situation Unit Leader
S-347	Demobilization Unit Leader
S-348	Resources Unit Leader
S-354	Facilities Unit Leader
S-355	Ground Support Unit Leader
S-356	Supply Unit Leader
S-357	Food Unit Leader
S-358	Communications Unit Leader
S-359	Medical Unit Leader

"S" (Suppression Skills) Courses, continued

S-360	Finance/Administration Unit Leader
S-371	Helibase Manager
S-378	Air Tactical Group Supervisor
S-390	Introduction to Wildland Fire Behavior Calculations
S-400	Incident Commander
S-403	Information Officer
S-404	Safety Officer
S-420	Command and General Staff
S-430	Operations Section Chief
S-440	Planning Section Chief
S-443	Infrared Interpreter
S-445	Incident Training Specialist
S-450	Logistics Section Chief
S-460	Finance/Administration Section Chief
S-470	Air Operations Branch Director
S-490	Advanced Wildland Fire Behavior Calculations
S-491	Intermediate National Fire Danger Rating System
S-492	Long Term Fire Risk Assessment
S-493	FARSITE- Fire Area Simulator

Job Aids

Job aids are "how to" books that assist an individual in performing specific tasks associated with a position. They may be used by an individual, in a trainee position, who has met all of the prerequisites, but has not completed the position task book for that position. They are also used after the individual has become qualified, as an aid or refresher in doing the job.

The performance based system stipulates that an individual must complete a Position Task Book prior to becoming qualified for that position. Refer to the Wildland and Prescribed Fire Qualification System Guide, PMS 310-1 for the established standards for this position.

J-158 Radio Operator (2002)
The radio operator reports to the incident communications center manager. Subjects covered: developing a kit; mobilization; briefing from supervisor; duties within the incident communications unit structure; work materials and equipment; transfer of information; communications equipment and basic functions/capabilities; processing documentation, emergency situation protocols; transition with replacement personnel; demobilization and check out.

J-236 Staging Area Manager (2004)
The staging area manager is responsible to the operations section chief, branch director, or division group supervisor for managing all activities within the staging area. Subjects covered: materials needed for kit; mobilization; briefing from operation section chief; organizing and staffing; factors for suitable staging area; operating a staging area; demobilization.

J-252 Ordering Manager (2003)
The ordering manager reports to the supply unit leader. This position requires qualification at the dispatch recorder level and may be required to supervise recorders. Subjects covered: materials needed for a kit; mobilization; briefing from the supply unit leader; establishing ordering procedures; receiving written requests for supplies and resources; establishing ordering channels; maintaining filing system; reconciling resource orders; notifying the receiving and distribution manager of placed orders; briefing subordinate and relief personnel; coordinating with appropriate personnel; reports required by the supply unit leader; evaluating performance of subordinate personnel; demobilization.

J-253 Receiving and Distribution Manager (2003)
The receiving and distribution manager reports to the supply unit leader. This position is responsible for supervising recorders, assistants, tool and equipment specialists, and tool attendants. Subjects covered: materials needed for kit; mobilization; briefing from supply unit leader; organizing supply area; procedures for receiving supplies and equipment; procedures for issuance and tracking of supplies; notifying ordering manager of supplies received; maintaining inventory; supervising the receiving and distribution unit; briefing subordinates and relief personnel; coordinating with appropriate personnel; reports required by the supply unit leader; evaluating performance of subordinates; excess resources and supplies; demobilization.

J-254 Base/Camp Manager (2004)
The base/camp manager reports to the facilities unit leader. This position may be assigned to manage facilities at a base, isolated camp, helibase, staging area, R&R center, hotel/motel or incident command post if it is not co-located with the incident base. Subject covered: materials need for kit; mobilization; briefing from facilities unit leader; obtaining necessary resources and supplies; coordinating to establishing incident facilities; communicating with incident personnel; supervision of incident facility personnel; compliance with health and safety regulations; maintenance for facility equipment; coordination with finance/administration; maintaining a unit log; demobilization.

J-255 Equipment Manager (2004)
The equipment manager reports to the ground support unit leader. Depending on the equipment manager's functional area, they supervise bus drivers, dispatchers, inspectors, dozer operators, parking attendants, drivers, mechanics, and flaggers. Subjects covered: materials need for kit; mobilization; briefing from ground support unit leader; determining needed equipment and supplies; safety measures; maximizing use of resources; dispatching equipment; determining resources on hand; maintaining equipment use records; establishing areas for service, repair and fueling; maintaining documentation; developing and implementing incident traffic plans; maintenance of incident roads; demobilization.

J-257 Incident Communications Center Manager (2003)
The incident communication center manager reports to the communications unit leader. Subjects covered: materials needed for kit; mobilization; briefing from communications unit leader; establishing the incident communications center; assisting communications unit leader with duties; supervising the incident communications center; maintaining a unit log; evaluating performance of subordinates; demobilization.

J-259 Security Manager (2004)
The security manager is in the logistics section of the ICS organization. This position is responsible for clarifying the authority and jurisdiction of the security group. Working outside the limits of this authority and jurisdiction may leave the security personnel, incident management team, and the agency liable for civil or criminal prosecution. Subjects covered: materials need for kit; mobilization; briefing from supervisor; establishing contacts; contacting agency representatives; security sizeup; security plan document; requesting personnel; handling sensitive issues; briefing incident personnel; safety and welfare of assigned staff; documentation; demobilization.

J-342 Documentation Unit Leader (1999)
The planning section chief supervises the documentation unit leader. The documentation unit leader is responsible for maintaining accurate and complete incident files, which includes packaging files for legal, analytical, and historical purposes. Subjects covered: mobilization, briefings, organization of work area, supervision of unit, establishing and organizing incident files, providing duplication and collation services, providing incident action plan preparation, producing final documentation package, and demobilization.

J-375 Air Support Group Supervisor (1997)
The air support group supervisor (ASGS) reports to the air operations branch director. The ASGS is responsible for supporting and managing helibase and helispot operations and maintaining liaison with fixed-wing airbases. Subjects covered: ASGS kit checklist, mobilization, briefing checklists (e.g. air operations branch director, recon incident, dispatch, aviation officer, resource advisor, helicopter briefing, fixed wing operations, safety, equipment for air support needs, and coordination with other ICS positions), air operations communications plan, military relationship, temporary flight restriction, and demobilization.

Expanded Dispatch Job Aids
Position checklists and job aids for Dispatch Recorder, Support Dispatcher, and Supervisory Dispatcher. This booklet is intended to be used as an on-the-job reference for qualified expanded dispatch personnel. The job aids are not intended to replace training, nor can they be expected to cover every situation. Users will need to obtain specific direction from their supervisor when procedures need clarification. *Revision is delayed until Resource Ordering Status System (ROSS) is implemented.*

National Advanced Fire and Resource Institute Courses

Note: For full descriptions of these courses, see the NAFRI web site at: http://www.nafri.gov

Aerial Retardant Application and Use - ARAU
Advanced Incident Leadership
Advanced National Fire Danger Rating System (NFDRS)
Fire Management Leadership
Fire Management Leadership for Local Agency Administrators
Fire Prevention and Education Team Workshop
Human Resource Specialist - Train the Trainer
National Aerial Firefighting Academy
National Fire Management Analysis System - Technical - NFMAS
Senior Level Aviation Management - SLAM

D-510	Supervisory Dispatcher
M-580	Fire in Ecosystem Management
M-581	Fire Program Management
RX-510	Applied Fire Effects
S-520	Advanced Incident Management
S-580	Advanced Fire Use Applications
S-590	Advanced fire Behavior Interpretation
S-620	Area Command

DISPATCH RECORDER **D-110**
1997 16 hrs

COURSE DESCRIPTION

The course is designed to train potential dispatch recorders on the structure of an expanded dispatch organization and to effectively perform within that organization. It will provide the student with a working knowledge of the purpose and process of completing the resource order and other dispatch forms. It will also provide instruction on established dispatch procedures.

OBJECTIVES

- Describe the purpose and organizational structure of an expanded dispatch, and the role of the dispatch recorder within the organization.

- Demonstrate skill in completing a Resource Order Form, mob and demob fire resources, complete dispatch forms and follow procedures for those forms, and use a resource locator system to track resources.

TARGET GROUP

Individuals who have had no previous training or experience in the dispatch function and who will be called upon as needed to assist in the expanded dispatch organization.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified support dispatcher (EDSD).
Unit instructors must be qualified dispatch recorders (EDRC).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

COURSE DESCRIPTION

This course identifies the common tasks performed by an entry-level dispatcher. These tasks reflect the skills an individual needs to perform the entry-level dispatch job. There are thirteen self-paced modules, with quizzes, exercises, and a final exam.

OBJECTIVE

- Certification and exposure to the self-help job aid for the entry-level dispatcher job.

TARGET GROUP

Personnel desiring to be qualified as an entry-level dispatcher.

MINIMUM INSTRUCTOR QUALIFICATIONS

A course administrator qualified in the supervision of entry level dispatchers must be available in person, by phone, or by email to assist the student during the completion of this course.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

SUPPORT DISPATCHER **D-310**
2000 32 hrs

COURSE DESCRIPTION

This course is designed to train dispatch recorders in the responsibilities of working in an expanded dispatch organization. Students will organize, plan, and implement a dispatch area to meet the needs of the incident(s); follow established policies and procedures using resource orders and supplemental forms, to mobilize, reassign and demobilize resources; and demonstrate the ability to respond to changing priorities and situations.

OBJECTIVE

- Provide a working knowledge of the six expanded dispatch functional areas: crews, overhead, supplies, equipment, aircraft, and intelligence.

TARGET GROUP

Personnel desiring to be qualified as a support dispatcher (EDSD).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified supervisory dispatcher (EDSP).
Unit instructors must be qualified as support dispatchers (EDSD).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a dispatch recorder.

Satisfactorily pass pre-course test.

COURSE LEVEL

Regional, state or area

INTRODUCTION TO ICS **I-100 (Self-paced)**
1994 2-4 hrs

COURSE DESCRIPTION

This is the first of 17 instructional modules which comprise the Incident Command System (ICS) curriculum. This course is a self-paced module addressing the ICS organization, basic terminology, and common responsibilities. It provides a foundation upon which to enable entry-level personnel to function appropriately in the performance of incident-related duties.

For students continuing through more complex ICS modules, this course may be used as pre-course work.

OBJECTIVES

Identify and describe the following components of the ICS:

- Organizational structure
- Positions and responsibilities
- Facilities

TARGET GROUP

Entry-level personnel working on an incident in a direct or support role, as well as off-incident support personnel.

MINIMUM INSTRUCTOR QUALIFICATIONS

A course administrator that has successfully completed the I-200 course must be available in person, by phone or by email to assist the student during the completion of this course.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

COURSE DESCRIPTION

This course introduces students to the principles of the Incident Command System (ICS) associated with incident-related performance. Basic ICS comprises five of the 17 instructional modules making up the ICS curriculum. These modules include:

- Principles and Features of ICS (Module 2)
- Organizational Overview (Module 3)
- Incident Facilities (Module 4)
- Incident Resources (Module 5)
- Common Responsibilities Associated with ICS Assignments (Module 6)

OBJECTIVES

- Identify and describe the principle features of the ICS.
- Describe how the ICS is used to meet the organizational needs of both large and small incidents.

TARGET GROUP

First-level supervisors involved in or with ICS operations (e.g., manager level in ICS units and single resource bosses).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must have successfully completed I-300.
Unit instructors must have successfully completed I-200.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

INTERMEDIATE ICS **I-300**
1994 27 hrs

COURSE DESCRIPTION

This course provides a greater description and detail of the Incident Command System (ICS) organization and operations, including application of essential principles and description of air operations.

This course comprises five of the 17 instructional modules making up the ICS curriculum, as follows:

- Organization and Staffing (Module 7)
- Organizing for Incidents or Events (Module 8)
- Incident Resources Management (Module 9)
- Air Operations (Module 10)
- Incident and Event Planning (Module 11)

OBJECTIVE

- Identify and describe the range of ICS users, and the responsibilities and organization for each.

TARGET GROUP

Personnel who will be assigned to ICS supervisory positions.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must have successfully completed I-400.
Unit instructors must have successfully completed I-300.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Basic ICS (I-200)

COURSE LEVEL

Local

ADVANCED ICS **I-400**
1994 22 hrs

COURSE DESCRIPTION

This course directs the student towards an operational understanding of large single-agency and complex multi-agency/multi-jurisdictional incident responses. Presented in an intense, participative workshop environment, this course focuses on area command and staff issues, as well as, the planning, logistical and fiscal considerations associated with complex incident management and interagency coordination. This course comprises four of the 17 instructional modules making up the ICS curriculum, as follows:

- Command and General Staff (Module 12)
- Unified Command (Module 13)
- Major Incident Management (Module 14)
- Area Command (Module 15)

OBJECTIVES

- Describe each command and general staff position.
- Describe how major incidents engender special management challenges.
- Describe the circumstances in which an area command is established.

TARGET GROUP

Senior personnel expected to perform in a management capacity in an area command/complex incident environment.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must have successfully completed I-400 and be qualified in any Type 2 Command & General Staff position.
Unit instructors must be qualified in any unit leader position or qualified as a division group supervisor.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Intermediate ICS (I-300)

COURSE LEVEL

Local

MULTI-AGENCY COORDINATION **I-401**
1994 4 hrs

COURSE DESCRIPTION

This course provides a detailed study of the major elements associated with developing and implementing an effective multi-agency coordination system, and covers the distinctions between area command, multi-agency coordination systems (MACS), and emergency operations centers (EOC).

Multi-agency Coordination is the 16th of the 17 instructional modules making up the ICS curriculum.

OBJECTIVES

- Describe the problems that may occur in the absence of multi-agency coordination.
- Describe terms used in connection with multi-agency coordination.
- Identify the primary components of a multi-agency coordination system (MACS).

TARGET GROUP

Senior personnel expected to perform in a management capacity in an area command/complex incident/emergency operations center environment.

MINIMUM INSTRUCTOR QUALIFICATIONS

Cadre must have expertise in the Incident Command System and in multi-agency command management.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Regional, state or area

ICS FOR EXECUTIVES **I-402**
1994 2 hrs

COURSE DESCRIPTION

This course is an Incident Command System orientation for executives, administrators, and policy-makers not usually part of incident-related ICS operations, but who would benefit from a greater understanding of ICS-related management issues.

As a classroom module, this course covers the fundamentals of ICS, unified and area command, multi-agency coordination, and information transfer and responsibilities between incident command and executive-level personnel. ICS for Executives is the last of the 17 instructional modules making up the ICS curriculum.

OBJECTIVES

- Describe the basic organization of the ICS.
- Define terms used frequently within the ICS.
- Describe the three major responsibilities of an executive with respect to an incident.
- Describe distinctions between ICS organization, emergency operations center (EOCs), and multi-agency coordination system (MACS).

TARGET GROUP

Agency executives, administrators, and policy makers charged with establishing or implementing policy, but who are usually not involved in incident-related ICS management.

MINIMUM INSTRUCTOR QUALIFICATIONS

Cadre must have expertise in the Incident Command System and in multi-agency command management.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Varies

HUMAN FACTORS ON THE FIRELINE **L-180**
2000 4 hrs

COURSE DESCRIPTION

This training course is designed for unit-level supervisors to use when delivering orientation training to new crewmembers. The stand-alone training package is available in the NWCG Publication Management System. An adapted version will be included as Unit 4 in the 2003 edition of S-130, Firefighter Training. Presentation of the course involves a few short lecture segments, but the primary content is delivered by video and supported with small group exercises. Topic areas include:

- Situation awareness
- Basic communication responsibilities
- Attitude and stress barriers
- Decision-making process
- Teamwork principles

OBJECTIVE

- Students will demonstrate an understanding of their responsibilities to address human performance issues so they can integrate more effectively into crews/teams operating in high-risk, dynamic work environments.

TARGET GROUP

Entry-level incident personnel.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be qualified as any single resource boss.
Unit instructors must be a qualified fireFighters type 1 (FFT1).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

FOLLOWERSHIP TO LEADERSHIP **L-280**
2003 16 hrs

COURSE DESCRIPTION
This training course is designed as a self-assessment opportunity for individuals preparing to step into a leadership role. The course combines one day of classroom instruction followed by a second day in the field with students working through a series of problem solving events in small teams (Field Leadership Assessment Course). Topic areas include:

- Leadership values and principles
- Transition challenges for new leaders
- Situational leadership
- Team cohesion factors
- Ethical decision-making

OBJECTIVES

- Students will demonstrate an understanding of fundamental leadership principles.
- Students will assess their individual traits and motivation for entering into a leadership role.

TARGET GROUP
Personnel desiring to be qualified as a single resource boss.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be qualified as any single resource boss.
Unit instructors must be a qualified as any single resource boss.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES
Experience on incident assignments in operations or support functions.
Human Factors on the Fireline (L-180)
Successful completion of 3-4 hours of pre-course work

COURSE LEVEL
Local

FIRELINE LEADERSHIP **L-380**
32 hrs

COURSE DESCRIPTION

This is a leadership development training recommendation for unit-level supervisors. The design and delivery process used to meet this training recommendation will need to be determined by the agency. It can be part of an agency-provided curriculum or contracted from a vendor. THIS IS NOT A COURSE PACKAGE AVAILABLE IN THE NWCG PUBLICATION MANAGEMENT SYSTEM.

Minimum course length is 32 hours and the training should be designed to provide at least 50% of the delivery time as exercises and simulations. Low student to instructor ratios are necessary for successful exercise/simulation based training delivery. A dedicated cadre of at least three instructors is recommended for class sizes in the range of 20-25 students. Selected courseware should address these topic areas:

- Application of leadership styles
- Communicating vision and intent
- Team building
- Detecting operational error
- Managing stress

Specific instructional design criteria and objectives can be found at the following website: http://www.fireleadership.gov/courses/L_380/criteria.html

OBJECTIVE

- The intent of this training recommendation is to provide unit-level supervisors with the tools to build and maintain effective and cohesive crews/teams.

TARGET GROUP

Personnel desiring to be qualified as a Strike Team Leader or Unit Leader.

MINIMUM INSTRUCTOR QUALIFICATIONS

The combined cadre must have career backgrounds and expertise level in principle-centered leadership, emergency incident operations, human factors and decision-making. All instructors must be able to execute field simulations, role-playing, and classroom exercises.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Incident personnel with supervisory responsibilities.
Human Factors on the Fireline (L-180)
Completion of course prework reading assignment.

COURSE LEVEL
Regional, state, or area

INCIDENT LEADERSHIP **L-381**
32 hrs

COURSE DESCRIPTION

This is a leadership development training recommendation for incident response personnel who will function in fireline command roles. The design and delivery process used to meet this training recommendation will need to be determined by the agency. It can be part of an agency-provided curriculum or contracted from a vendor. THIS IS NOT A COURSE PACKAGE AVAILABLE IN THE NWCG PUBLICATIONS MANAGEMENT SYSTEM.

Minimum course length is 32 hours and the training should be designed to provide at least 50% of the delivery time as exercises and simulations. Low student to instructor ratios are necessary for successful exercise/simulation based training delivery. A dedicated cadre of at least three instructors is recommended for class size in the range of 18-25 students. Selected course materials should address these topic areas:

- Command Presence/Climate
- Leaders Intent
- Command and Control
- Rapid Team Building
- Communication Techniques
- Detecting and Mitigating Error
- Operational Tempo Awareness

Specific instructional design criteria and objectives can be found at the following website: http://www.fireleadership.gov/courses/L_381/criteria.html

OBJECTIVE

- The intent of this training recommendation is to provide future leaders of divisions, groups, and type 3 incidents with the leadership tools to effectively exert command and control over a quickly assembled team in a time constrained and rapidly changing incident environment.

TARGET GROUP

Personnel desiring to be qualified as Division/Group Supervisor or Incident Commander Type 3

MINIMUM INSTRUCTOR QUALIFICATIONS

The combined cadre must have career backgrounds and expertise in principle-centered leadership, emergency incident operations, human factors and decision-making. All instructors must be able to execute field simulations, role-playing, and classroom exercises.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as any strike team leader, task force leader, or incident commander type 4
Successful completion of Followership to Leadership, L-280

COURSE LEVEL

Regional, state, or area

FACILITATIVE INSTRUCTOR **M-410**
2002 36 hrs

COURSE DESCRIPTION

This training course is designed to help students become effective facilitative instructors. The purpose of this course is to improve training quality by presenting instructional methods with an emphasis on student-oriented adult training techniques. This course is designed for students to meet NWCG instructor requirements.

OBJECTIVE

- Students will demonstrate effective facilitative instructor skills while giving three classroom presentations.

TARGET GROUP

Personnel who will be teaching NWCG courses.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must have taught or observed all units of this specific course and have the knowledge to assume a substitution role as a unit instructor.
Unit instructors must be experienced in the lesson content they are presenting and must have been previous students in this or an equivalent course.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Regional, state or area

MULTI-AGENCY COORDINATING (MAC) GROUP **M-480**
2003 7 hrs

COURSE DESCRIPTION

This course is designed to train and orient potential Multi-Agency Coordinating (MAC) Group members and MAC Group Coordinators. It will provide the students with a working knowledge of the Multi-Agency Coordination System and the organization that helps support MAC Group activities.

OBJECTIVE

- Upon completion of this course, the student will be able to successfully participate as a MAC Group member or perform as a MAC Group Coordinator trainee. The student is expected to perform at the geographic area level or sub geographic area level where the instruction is given.

TARGET GROUP

This course is designed for individuals who have no previous training or experience with Multi-Agency Coordinating Group operations, and may be called upon to participate in this activity. This includes those who have a thorough knowledge of the Multi-Agency Coordination System and Multi-Agency Coordinating Groups, but have not performed as MAC Group Coordinators. It is important that individuals who may act as MAC Group Coordinators be those with a thorough understanding of fire management and the dispatch/coordination system.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must have performed at a geographic area level either as a MAC Group member or as a MAC Group Coordinator; must have a working knowledge of national and geographic area fire management and coordination systems.

Unit instructors should have MAC Group experience and must have knowledge of interagency dispatch operations, fire management operations and policies, mobilization guides, and an understanding of incident management team operations.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Successful completion of pre-course work.

COURSE LEVEL
Regional, state or area

INTRODUCTION TO WILDFIRE PREVENTION **P-101**
1997 2 hrs

COURSE DESCRIPTION

This is an overview course designed for volunteer firefighters, rangers, firefighting professionals, fire managers, and other persons having fire prevention responsibilities. This course is designed for individual self-study, or for use in small groups.

OBJECTIVES

Demonstrate a general knowledge about wildfire prevention, including:

- The history of wildfire
- Wildfire prevention problems
- The fundamentals of wildfire prevention
- Specific wildfire prevention problems
- Basic wildfire prevention planning
- Role and responsibility of persons responsible for wildfire prevention

TARGET GROUP

This is designed as the first course in the wildfire prevention training curriculum for anyone having fire prevention responsibilities.

MINIMUM INSTRUCTOR QUALIFICATIONS

Instructors must have a wide range of wildfire prevention experience.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

INSPECTING FIRE-PRONE PROPERTY **P-110**
1991 2 hrs

COURSE DESCRIPTION

This course is designed for people with little or no experience in inspecting property in forested areas. This course will prepare the student to identify risks and hazards that make structures more prone to loss through wildfire, to make recommendations for corrective action, and to prepare inspection reports.

This course is designed for individual self-study, or for use in small groups.

OBJECTIVES

- Identify risks and hazards to structures from wildfire.
- Make recommendations for corrective action.
- Prepare inspection reports.

TARGET GROUP

Personnel who are required to inspect fire-prone property, but who have little or no experience in it.

MINIMUM INSTRUCTOR QUALIFICATIONS

Instructors must be experienced property inspectors.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

FIRE CAUSE DETERMINATION FOR FIRST RESPONDERS **P-130**
2000 2-4 hrs

COURSE DESCRIPTION

This is a short interactive course to train personnel first arriving at a wildland fire scene. It instructs the first responders on how to obtain and use information to determine the probable cause of a wildland fire including:

- Obtaining pertinent information while traveling to a fire
- Locating and securing the probable ignition location
- Identifying witnesses
- Documenting any finding and presenting information to a wildland fire investigator

OBJECTIVE

- Obtain and use information to determine probable cause of a wildland fire.

TARGET GROUP

First responders to wildland fires.

MINIMUM INSTRUCTOR QUALIFICATIONS
Instructor qualifications are agency determined.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

WILDLAND FIRE PREVENTION PLANNING **P-301**
1997 24 hrs

COURSE DESCRIPTION

This course is designed for fire managers, fire prevention specialists and planners, and other persons who have wildland fire prevention planning responsibilities. Topics include: assessment, planning and workload analysis. This course is an intermediate course in the wildland fire prevention training curriculum.

OBJECTIVES

The student will be able to:

- Describe the wildland fire prevention planning process.
- Describe the inventory and assessment process for wildland fire risk, hazard, and value.
- Complete a wildland fire prevention workload analysis.
- Develop a wildland fire prevention plan.

TARGET GROUP

Fire managers, fire prevention specialists and planners, and other personnel who have wildland fire prevention planning responsibilities.

MINIMUM INSTRUCTOR QUALIFICATIONS

Instructors must be fully competent in wildland fire prevention planning procedures and have a wide range of wildfire prevention experience**.**

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Introduction to Wildland Fire Prevention (P-101)

COURSE LEVEL

Local

PRESCRIBED FIRE BURN BOSS **RX-300**
2000 40 hrs

COURSE DESCRIPTION

This course is designed to prepare the student for the use of fire to accomplish resource objectives by evaluation and implementation of a prescribed fire. Development of a burn plan is the primary product of this course, which includes:

- Developing resource management objectives
- Safety and monitoring
- Operational criteria
- Legal liabilities
- Use of fire and fire effects
- Smoke management and prescription design

OBJECTIVES

The student will be able to:

- Identify requirements and components for development of burn prescriptions and operational plans.
- Develop a burn prescription and operational plan for a given fuel model.

TARGET GROUP

Prescribed fire ignition specialist (RXI2) desiring to be qualified as a prescribed fire burn boss, type 2 (RXB2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified prescribed fire burn boss type 1(RXB1).
Unit instructors must be qualified prescribed fire burn boss type 2 (RXB2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a prescribed fire ignition specialist, type 2 (RXI2).
Qualified as an incident commander, type 4 (ICT4).

Introduction to Fire Behavior Calculations (S-390).
Thorough familiarity of BEHAVE Burn Subsystem.

Successful completion of pre-course work.

COURSE LEVEL

Regional, state or area

COURSE DESCRIPTION

This course provides the student with the knowledge and skills necessary to recognize basic fire regimes, the effects of fire treatments on first order fire effects, and to manipulate fire treatments to achieve desired first order fire effects.

This course is supplemented by the National Wildfire Coordinating Group (NWCG) Fire Effects Guide, NFES #2394 (1994).

OBJECTIVES

Given basic fire regimes, management objectives, biotic adaptations, resource responses, cultural limitations, surface and subsurface heat as it relates to fuel consumption and fuel moisture, pre-/post-burn environmental conditions, and land use activity, the student will be able to:

- Describe fire as an ecological process
- Describe applications and limitations of fire use
- Describe first order fire effects and how to measure them
- Describe the interaction of fire characteristics on natural and cultural resource components that determine first order fire effects
- Discuss how to manipulate fire treatments to achieve desired first order fire effects

Given a specific treatment, the student will be able to:

- Describe reasons for the variation in post-fire effects
- Compare the effects of prescribed fire with other treatment methods
- Describe first order fire effects and how to measure them

TARGET GROUP

Prescribed fire crew member slated for burn boss, monitor, or other prescribed fire positions.

Interdisciplinary Team resource advisors.

MINIMUM INSTRUCTOR QUALIFICATIONS

All instructors should have had recent prescribed fire experience as it relates to analyzing prescribed fire effects.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Working knowledge of fire behavior.
Understanding of basic ecological principles.
Successfully complete all pre-work.

COURSE LEVEL

Regional, state or area

SMOKE MANAGEMENT TECHNIQUES **RX-410**
2003 32 hrs

COURSE DESCRIPTION

This course leads students through the ecological and historical role of fire, characteristics of smoke and the health, safety and visibility impacts of smoke. Other topics include public relations, legal requirements, meteorology, fuel consumption, smoke production dispersion modeling and operational smoke management strategies.

This course is designed to be interactive in nature. It contains a panel discussion, several exercises designed to facilitate group and class participation and case studies from a variety of fuel types and political challenges.

The pre-course work assignment is designed to familiarize students with the Smoke Management Guide and air quality regulations that impact prescribed fire programs.

OBJECTIVES

The overall objective of this course is to provide land managers with the knowledge to manage smoke and reduce its impacts on public health and welfare.

- Given existing and potential air quality regulations, political and social sensitivities, the students will be able to:
  - Predict, manage and monitor prescribed fire smoke.
  - Describe the legal, professional, and ethical reasons for managing smoke.
  - Describe the roles of federal, state, and local agencies and organizations involved with and affected by smoke from prescribed fire.

TARGET GROUP

Prescribed fire burn boss type I (RXB1) and the long term fire analyst (LTAN).

Other positions that would benefit from Rx-410 include: ignition specialist, fire effects monitor, air regulators, Fire ecologists, private landowners (e.g., TNC, Plum Creek, consortia), other state and private agencies, prescribed fire consultants, fire planners

MINIMUM INSTRUCTOR QUALIFICATIONS

Instructors must have prescribed and wildland fire experience as it relates to smoke management planning and implementation.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

BASIC WILDLAND FIRE SUPPRESSION ORIENTATION **S-110 (self-paced)**
2003 20 minutes

COURSE DESCRIPTION

Basic Wildland Fire Suppression Orientation is videotape which provides essential information for individuals interested in wildland fire management. It may be used as a companion to S-130, Firefighter Training, and is particularly useful for indoctrination of non-fire management employees to the world of wildland fire. The video provides information on personal preparedness and responsibility, mobilization, incident procedures, proper clothing and equipment, and living conditions in wildland fire camps. The NWCG Fireline Handbook, PMS 410-1, and Introduction to the Incident Command System, I-100, should be provided to the student at the time the video is shown.

OBJECTIVE

- Provide new personnel and non-fire management employees introductory information about wildland fire management.

TARGET GROUP

Personnel without previous wildland fire position experience.

INSTURCTOR QUALIFICATIONS

A course administrator that is experienced in wildland fire must be available in person, by phone, or by email to assist the student during the completion of this course.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISTES

None

COURSE LEVEL

Local

COURSE DESCRIPTION

This course is designed to provide entry level firefighters skills. Many of the units are set up so they can be taught in either the classroom or the field; field time is encouraged. A version of L-180, Human Factors on the Fireline, has been included as part of this course. Credit should be issued for both S-130 and L-180 upon completion of this course.

OBJECTIVES

- Explain what the LCES (Lookouts, Communications, Escape Routes, and Safety Zones) system is and how it relates to the Standard Firefighting Orders.
- Construct fireline to required standards using various methods.
- Strengthen, reinforce, and use holding actions on a fireline.
- Extinguish the fire with or without the use of water.
- Complete assigned tasks in a safe and efficient manner.
- Given an assignment in a wildfire environment, describe factors in that environment which could impact safety.

TARGET GROUP

Entry-level firefighters

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified single resource boss.
Unit instructors must be qualified figherfighter type 1 (FFT1).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Introduction to Wildland Fire Behavior, S-190

COURSE LEVEL

Local

ADVANCED FIREFIGHTER TRAINING **S-131**
1997 8 hrs

COURSE DESCRIPTION

This course is designed to meet the training needs of both advanced firefighter type 1 (FFT1), and incident commander type 5 (ICT5). The course is interactive, and contains several exercises that encourage group and class discussion. Topics include: fireline reference materials, documenting activities, fireline communications, tactics, and safety.

OBJECTIVES

Given fire reference materials and fire scenarios the student will:

- Properly document the appropriate information during fire suppression activities.
- Describe how to incorporate and maintain open lines of communication with all appropriate fire suppression personnel.
- Demonstrate the ability to make informed decisions.
- Apply LCES (Lookouts, Communications, Escape Routes & Safety Zones) to fireline tactics.
- Demonstrate the steps required to properly size up a fire situation and determine appropriate tactics.

TARGET GROUP

Personnel desiring to be qualified as advanced firefighter type 1 (FFT1), and incident commander type 5 (ICT5).

MINIMUM INSTRUCTOR QUALIFICATIONS
Lead instructor must be a qualified single resource boss.
Unit instructors must be qualified figherfighter type 1 (FFT1).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Lead instructor must be a qualified single resource boss.
Unit instructors must be qualified as figherfighter type 1 (FFT1).

COURSE LEVEL

Local

LOOK UP, LOOK DOWN, LOOK AROUND **S-133**
2002 4 hrs

COURSE DESCRIPTION

This course examines the wildland fire environment and the indicators firefighters should observe on the fire line in order to anticipate fire behavior.

OBJECTIVE

- List and describe indicators that firefighters should observe on the fire line related to fire behavior.

TARGET GROUP

Fire line supervisors, from squad boss (FFT1) through division supervisor (DIVS).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified single resource boss.
Unit instructors must be qualified figherfighter type 1 (FFT1).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

Note: The Instructor Guide refers to the "Fireline Safety Reference" which has been discontinued. Use NFES 1077, Incident Response Pocket Guide instead. Instructors may have to make some adjustments for the new reference.

COURSE DESCRIPTION

Students become engaged in the process of designing their own safety program. The small groups will discuss and develop the L, C, E, and S, creating a list of performance standards. The entire class will then work together to produce and edit a contract, based on consensus, which guides performance.

OBJECTIVES

Everyone who has attended the LCES workshop will:

- Have practiced questioning assignments and situations in a manner that seeks solutions to the original tactical objectives.
- Demonstrate safe work practices/behaviors as outlined in their LCES contract.

TARGET GROUP

Entire groups of individuals that are likely to work together. Students need to represent the broad spectrum of individuals involved in the hazardous tasks including the highly experienced, the inexperienced, supervisors, and dispatchers.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified single resource boss.
Unit instructors must be qualified figherfighter type 1 (FFT1).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Successful completion of pre-course work.

COURSE LEVEL

Local

INTRODUCTION TO WILDLAND FIRE BEHAVIOR **S-190**
1994 6 hrs

COURSE DESCRIPTION

This course provides instruction in the primary environmental factors that affect the start and spread of wildfire, and recognition of potentially hazardous situations.

This course can be taught in conjunction with or prior to Firefighting Training, S-130. This course is also suitable for experienced personnel requiring refresher training.

OBJECTIVES

- Identify environmental factors of wildland fire behavior affecting the start and spread of wildland fire.
- Identify the three sides of the "fire triangle."
- Recognize situations that indicate problem or extreme wildland fire behavior.

TARGET GROUP

Personnel who desire to be a qualified firefighter 2 (FFT2) or who will be involved in various aspects of wildland fire and desire some basic knowledge of fire behavior.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified single resource boss.
Unit instructors must be qualified figherfighter type 1 (FFT1).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

INITIAL ATTACK INCIDENT COMMANDER **S-200**
1996 16 hrs

COURSE DESCRIPTION

This course is designed to meet the training needs of the ICT4. It is presented in a lecture/discussion format and supplemented with group exercises. The six instructional units cover: Readiness and Mobilization; Size-up, Planning, and Ordering; Deployment and Containment; Administrative Requirements; and Post-Fire Evaluation. Evaluation of the student is by unit tests and a final examination.

OBJECTIVES

Through classroom instruction, exercises and discussion, the student will be able to:

- Gather essential data about the fire and lead the initial attack resources to the fire.
- Size up the fire, plan the strategy and tactics with the available resources.
- Communicate information to the designated officer.
- Brief and deploy initial attack resources and make adjustments to the plan when necessary.
- Maintain adequate records and participate in post fire activities with the designated officer.

TARGET GROUP

Personnel desiring to be qualified as an incident commander, type 4 (ICT4).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified incident commander type 3 (ICT3) or prescribed fire burn boss type 2 (RXB2).
Unit instructors must be qualified as incident commanders type 4 (ICT4).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as any single resource boss.

COURSE LEVEL

Local

INTRODUCTION TO INCIDENT INFORMATION **S-203**
1998 29 hrs

COURSE DESCRIPTION

This course provides students with the knowledge and skills they need to serve as type 3 information officers (IOF3). It touches on virtually all aspects of establishing and maintaining an incident information operation, communicating with internal and external audiences, to handling special situations. The format of the course is lecture and exercises, with a final simulation.

OBJECTIVES

- Describe the role, duties, and responsibilities of a Type 3 Information Officer (IOF3) in incident management and the overall incident organization.
- Describe the kinds and sources of information incident information officers need.
- Describe the interests and needs of, the gathering and distribution of information for, and the importance of communicating with the news media, communities, internal audiences, cooperators, and other key audiences.
- Prepare for, coordinate, and give effective media interviews.
- Describe handling of situations requiring special attention.

TARGET GROUP

Personnel desiring to be qualified as an information officer type 3 (IOF3).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified information officer, type 2 (IOF2).
Unit Instructors must be qualified information officers, type 3 (IOF3).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

PORTABLE PUMPS AND WATER USE **S-211**
2004 24 hrs

COURSE DESCRIPTION

Portable Pumps and Water Use, S-211, is an instructor-led course intended to be presented at the local level. The course consists of three skill areas: supply, delivery, and application of water. Students will be required to demonstrate their knowledge of correct water use, basic hydraulics, and equipment care. The field exercise requires set up, operation, and maintenance of pump equipment. To receive credit for this course, students must have field work observed and approved, and take a closed book written final examination.

OBJECTIVES

Students will be able to:

- Select equipment required to maintain a flow of water as required by the incident.
- Install pumps, hose lays, and holding tanks to provide water for use during all phases of the incident.
- Perform required field maintenance on a portable pump.

TARGET GROUP

Individuals desiring to gain competency in the use of portable pumps and water.

MINIMUM INSTRUCTOR QUALIFICATIONS

Instructors must be knowledgeable in the use and maintenance of portable water pumps. Hydraulics unit requires competency in that subject matter.

Also see NWCG Instructor Levels and Requirements at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

WILDFIRE POWER SAWS **S-212**
2004 30 hrs

COURSE DESCRIPTION

Wildland Fire Chain Saws, S-212, is an instructor-led course intended to be presented at the local level. The course lessons provide introduction to the function, maintenance and use of internal combustion engine powered chain saws, and their tactical wildland fire application. Field exercises support entry level training for firefighters with little or no previous experience in operating a chain saw, providing hands-on cutting experience in surroundings similar to fireline situations.

OBJECTIVES

- List, define and apply chain saw safety standards as required by OSHA and NWCG member agency manuals, handbooks and directives.
- Incorporate the approved use, maintenance and function of personal protective equipment (PPE) in wildland fire chain saw applications.
- Identify basic chain saw parts nomenclature, maintenance, tuning, troubleshooting, and safety features.
- Demonstrate field maintenance tasks required for chain saw operation.
- Demonstrate the tactical application of chain saws in brushing, limbing, bucking and falling for fireline construction and mop up operations.

TARGET GROUP

This course is required training for all wildland fire chain saw operator positions.

MINIMUM INSTRUCTOR QUALIFICATIONS

Instructor qualifications are agency determined.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a firefighter type 2 (FFT2); current certification in Basic First Aid and CPR.

COURSE LEVEL

Local

FIRE OPERATIONS IN THE WILDLAND/URBAN INTERFACE **S-215**
2003 28-32 hrs

COURSE DESCRIPTION

This course is designed to assist structure and wildland firefighters who will be making tactical decisions when confronting wildland fire that threatens life, property, and improvements, in the wildland/urban interface.

Instructional units include: interface awareness, size-up, initial strategy and incident action plan, structure triage, structure protection tactics, incident action plan assessment and update, follow-up and public relations, and firefighter safety in the interface.

The course requires a minimum of 28 hours for completion. If the optional exercises at the end of the tactics unit are used or a field exercise is included additional course time is needed. Instructors are encouraged to extend the course to 32 hours and add a field exercise covering size-up, structure triage, tactics, and any other local area training as appropriate.

OBJECTIVE

- This course provides the student with the skills and knowledge to size-up a wildland/urban interface fire incident, evaluate the potential situation, order and deploy the necessary resources, and apply safe and effective strategy and tactics to minimize the threat to life and property.

TARGET GROUP

This course is required training for initial attack incident commander (ICT4) and strike team leader (tractor/plow, dozer, engine, or crew).

Structure fire departments: This training is appropriate for engine operators, chief officers, and company officers responsible for structure protection in suburban and urban interface areas that may be threatened by wildland fire.

Additionally, leaders from municipal planning, law enforcement, and emergency management disciplines may find value in the course.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified incident commander type 3 (ICT3) or task force leader (TFLD).
Unit Instructors must be qualified incident commanders (ICT4) or any strike team leader.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Wildland firefighting agencies: Students should be single resource boss qualified (tractor/plow, dozer, engine, or crew).

Structure fire departments: Students should have completed S-130 Basic Firefighter, S-190 Introduction to Wildland Fire Behavior, S-230 Crew Boss, S-231 Engine Boss, I-100 Introduction to ICS, and I-200 Basic ICS or equivalent training.

Students attending this course must be knowledgeable of their agency firefighting policy as it relates to wildland/urban interface fires.

COURSE LEVEL
Local

COURSE DESCRIPTION

This training course is designed to provide the student with the prerequisite knowledge and skills necessary to perform the tasks of the vehicle operator in the Fire Service. The course is modularized so users can adapt it to the local needs of the unit presenting the course. A significant portion of the course time is devoted to actual hands on driving exercises for the students.

OBJECTIVES

The student will be able to:

- Safely and efficiently operate a fire vehicle in the fire environment by applying the appropriate driving skills and techniques for the specific situation.
- Apply basic maintenance procedures to ensure vehicle readiness.
- Act in a professional manner when operating a vehicle.

TARGET GROUP

This course is designed for all vehicle drivers engaged in the support of fire management activities and contains the knowledge and skills required to safely and efficiently operate fire vehicles.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be an experienced vehicle operator to ensure proper demonstration of driving techniques.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

The students must possess a current motor vehicle license from the state in which he or she resides, and possess the appropriate agency specific licensing if required.

COURSE LEVEL

Local

CREW BOSS (SINGLE RESOURCE) **S-230**
2004 24 hrs

COURSE DESCRIPTION

This is a classroom course designed to produce student proficiency in the performance of duties associated with the single resource boss position from initial dispatch through demobilization to the home unit. Topics include: operational leadership, preparation and mobilization, assignment preparation, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization and post incident responsibilities.

OBJECTIVES

- Describe crew boss responsibilities prior to and during mobilization, on the incident, and during demobilization.
- Identify the hazards and risks on various incidents and describe how to mitigate them.
- Describe tactics which are appropriate to various wildland fire situations and procedures to implement them through the chain of command.

TARGET GROUP

Required training for personnel desiring to be qualified as a single resource boss.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified crew strike team leader (STCR) or task force leader (TFLD). Unit instructors must be qualified single resource bosses.

Also see NWCG Instructor Levels and Requirements at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as firefighter type 1 (FFT1)
Successful completion of Intermediate Wildland Fire Behavior, S-290

COURSE LEVEL

Local

ENGINE BOSS (SINGLE RESOURCE) **S-231**
2004 12-16 hrs

COURSE DESCRIPTION

This is a skill course designed to produce student proficiency in the performance of the duties associated with engine boss, single resource (ENGB). Topics include: engine and crew capabilities and limitations, information sources, fire size-up considerations, tactics, and wildland/urban interface.

OBJECTIVE

- Perform the tasks of an engine boss in making the tactical decisions required to safely manage an engine on an incident.

TARGET GROUP

Personnel desiring to be qualified as an engine boss.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified engine strike team leader (STEN) or task force leader (TFLD).
Unit instructors must be qualified engine boss (single resource) (ENGB).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Crew Boss (Single Resource) (S-230)

Qualified as a firefighter type 1 (FFT1)

COURSE LEVEL

Local

DOZER BOSS (SINGLE RESOURCE) **S-232**
1996 16 hrs

COURSE DESCRIPTION

This is a skill course designed to produce student proficiency in the performance of all duties associated with the single resource dozer boss (DOZB). Primary considerations are tactical use and safety precautions required to establish and maintain an effective dozer operation.

OBJECTIVE

- Identify and demonstrate the tasks of the dozer boss (DOZB) (single resource) in safely and effectively using dozers to suppress a wildfire.

TARGET GROUP

Personnel desiring to be qualified as a dozer boss (DOZB)

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified dozer strike team leader (STDZ) or task force leader (TFLD).
Unit instructors must be qualified dozer boss (single resource) (DOZB).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as advanced firefighter type 1 (FFT1)

COURSE LEVEL

Local

TRACTOR PLOW BOSS (SINGLE RESOURCE) **S-233**
1995 12 hrs

COURSE DESCRIPTION

This course is designed to train wildfire suppression personnel in the supervision of safe tractor/plow operations. This course covers fuel models and fire behavior, capabilities in various fuel models and fire behavior, capabilities in various fuels and soils, size-ups and tactics, pre-attack decisions, direct and indirect attack, and working with another tractor/plow boss to use tractors in pairs or in tandem. This course does not include development skills related to equipment operation, nor does it provide for the evaluation of existing operational skills.

OBJECTIVE

- Identify and demonstrate the tasks of the tractor/plow boss (single resource) in safely and effectively using a tractor/plow to suppress a wildfire.

TARGET GROUP

Personnel desiring to be qualified as a tractor/plow boss (TRPB).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified tractor/plow strike team leader (STPL) or task force leader (TFLD).
Unit instructors must be qualified tractor/plow boss (single resource) (TRPB).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as advanced firefighter type 1 (FFT1)

Skilled tractor/plow operator

COURSE LEVEL

Local

IGNITION OPERATIONS **S-234**
1999 32 hrs

COURSE DESCRIPTION

This is an entry-level course providing training in the functional roles and responsibilities connected with firing operations. The course covers, planning, ignition procedures and techniques, and equipment applicable to wildland and prescribed fire. This course also addresses the role of the ignition specialist or firing boss as the organization manages escalation from a non-complex to a complex fire situation.

Note: This course is not intended to qualify or certify any personnel in the use, storage, or transport of any firing device. Rather, it is to provide the potential firing boss a description of available equipment and the requirements specific to each such device.

OBJECTIVES

The student will be able to:

- Describe the role and responsibility of the single resource boss (FIRB), firing and prescribed fire ignition specialist (RXI2) for planning, execution, safety, training, and coordination of an on-incident burn operation.
- Analyze an ignition/firing plan and describe its validity.
- Write an ignition/firing plan to include: ignition method, firing tactics, resource needs, and safety.

TARGET GROUP

Positions of ignition specialist, type 2 (RXI2), firing boss (single resource) (FIRB) and resource personnel involved in fire use.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified ignition specialist type 2 (RXI2) or firing boss (single resource) (FIRB).
Unit instructors must be qualified single resource bosses.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Intermediate Wildland Fire Behavior (S-290)

COURSE LEVEL

Local

Several pages of the Geraldton PB3/79 case study were edited and replaced in July 2004.

FIELD OBSERVER **S-244**
1997 20 hrs

COURSE DESCRIPTION

This course provides the student with the skills necessary to perform as a field observer (FOBS) and/or a prescribed fire effects monitor (FEMO). The class includes a daylong field trip. Topics include: identifying and interpreting maps, making map calculations, using observation aids and instruments, performing field observations, and communicating information.

OBJECTIVE

- Upon completion of this course, the student will demonstrate the skills, knowledge, and tools necessary to gather and report information for incident planning.

TARGET GROUP

Personnel desiring to be qualified as a field observer (FOBS) and/or prescribed fire effects monitor (FEMO).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified situation unit leader (SITL).
Unit instructors must be qualified field observers (FOBS).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Intermediate Wildland Fire Behavior (S-290)

Successful completion of pre-course work.

FOBS: Qualified as any single resource boss (Crew, Dozer, Engine, Felling, Tractor/Plow)

<u>OR</u>

FEMO: Qualified as a firefighter (FFT2)

COURSE LEVEL

Local

DISPLAY PROCESSOR **S-245**
1997 8 hrs

COURSE DESCRIPTION

This course is designed to provide the student with the skills necessary to perform as a display processor (DPRO) (map maker) on a wildland fire. The course covers information that needs to be displayed, maps that need to be produced, the techniques and symbols used in producing maps, and a discussion on emerging technology.

OBJECTIVE

- Upon successful completion of this course, the student will demonstrate skills, knowledge and tools necessary to produce the four maps required to display incident information.

TARGET GROUP

Personnel desiring to be qualified as a display processor.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified situation unit leader (SITL).
Unit instructors must be qualified display processors (DPRO).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Successfully complete pre-course work.

Interest, aptitude and skill for drawing and producing maps.

COURSE LEVEL

Local

COURSE DESCRIPTION

This is a self-paced course consisting the following:

- Course Administrator's Guide
- Status/Check-in Recorder Job Aid
- Student Workbook - provides the student an opportunity to apply the information in the Job Aid by completing exercises that simulate checking in and tracking the status of incident resources.

The workbook contains solutions to the exercises for the students to monitor their progress throughout the course. After completing the workbook, the trainees must contact the course administrator to schedule the final exam.

OBJECTIVES

Given simulated situations, the student will:

- Check-in incident resources on ICS Form 211, Check-in List.
- Record necessary information and update resource status on ICS Form 219, Resource Status Cards.
- Track status of incident resources by proper placement of ICS Form 219, Resource Status Cards, in a Resource Locator.

TARGET GROUP

Personnel desiring to be qualified as a status/check-in recorder (SCKN).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified resource unit leader (RESL).
Unit instructors must be qualified status/check-in recorders (SCKN).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

INCIDENT COMMUNICATIONS TECHNICIAN **S-258**
2002 32 hrs

COURSE DESCRIPTION

This course is designed to provide the prerequisite knowledge and skills necessary to perform the tasks of a communications technician (COMT) in the Incident Command System (ICS). Topics include: installation, maintenance, and troubleshooting of National Incident Radio Support Cache (NIRSC) communications equipment on incidents. The course consists of classroom instruction, field exercises, and both a written and a practical final exam.

OBJECTIVES

Students will be able to:

- Identify and describe the responsibilities of the COMT prior to, during mobilization, and demobilization.
- Identify and explain basic communications theory, the capabilities of NIRSC specialty equipment and assist with installation, and hazards and risks on various incidents and how to mitigate them.
- Recognize, plan for, and demonstrate the ability to provide adequate incident communications coverage.
- Demonstrate proper installation of equipment, the ability to properly program NIRSC incident handheld radios, and the ability to accurately troubleshoot and field repair NIRSC equipment.

TARGET GROUP

Personnel desiring to be qualified as a communications technician (COMT).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructors must be a qualified communications unit leader (COML).
Unit instructors must be qualified incident communications technician (COMT).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None required, but suggested reference and training includes:

- S-110, Basic Fire Suppression Orientation (Self-paced video, NFES 2274)
- I-200, Basic Incident Command System
- S-130, Firefighter Training; Basic Aviation Safety Student Guide (NFES 2097)

COURSE LEVEL

Regional, state or area

INTERAGENCY INCIDENT BUSINESS MANAGEMENT **S-260**
1998 16 hrs

COURSE DESCRIPTION

This course meets the general training needs of all positions for which an understanding of interagency incident business management is required. This course neither sets policy, nor addresses every potential situation that may occur in all locations.

OBJECTIVES

The student will demonstrate proficiency in:

- Incident business management practices concerning rules of conduct, recruitment, pay and commissary provisions
- Timekeeping
- Compensation for injury reporting
- Property acquisition and management
- Procurement and equipment time recording
- Cooperative agreements
- Accidents/claims investigation

TARGET GROUP

All ICS positions or personnel seeking knowledge of incident business management.

MINIMUM INSTRUCTOR QUALIFICATIONS

The lead instructor must be a finance/administration section chief type 2 (FSC2), or an administrative officer, or an assistant with incident business management experience.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

APPLIED INTERAGENCY INCIDENT BUSINESS MANAGEMENT **S-261**
1999 16 hrs

COURSE DESCRIPTION

This course is designed for entry-level finance positions. It can be taught as a classroom or self-paced course. It is designed to be taken after completion of Interagency Incident Business Management, S-260.

OBJECTIVE

- Describe the roles and responsibilities, and demonstrate proficiency in the skills/knowledge required to perform the tasks of the following positions: Commissary Manager (CMSY), Personnel Time Recorder (PTRC), Equipment Time Recorder (EQTR), Compensation for Injury Specialist (INJR), and Claims Specialist (COMP).

TARGET GROUP

This course is suggested training for commissary managers (CMSY), personnel time recorders (PTRC), equipment time recorders (EQTR), compensation for injury specialists (INJR), and claims specialists (COMP).

MINIMUM INSTRUCTOR QUALIFICATIONS

The lead instructor must be a finance/administration section chief type 2 (FSC2), or an administrative officer, or an assistant with incident business management experience.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

BASIC AIR OPERATIONS **S-270**
2003 16 hrs

COURSE DESCRIPTION

This course covers aircraft types and capabilities, aviation management and safety for flying in and working with agency aircraft, tactical and logistical uses of aircraft, and requirements for helicopter take-off and landing areas.

Note: The regulations, procedures and policies addressed in this course are primarily those governing federal agency and ICS operations. State, county, or other political subdivisions using this course will need to consult their agency having jurisdiction with respect to regulations, procedures and policies.

OBJECTIVES

- Describe the ICS criteria for typing aircraft.
- Describe safety procedures to be followed while flying in or working with agency aircraft.
- Describe how density altitude, ground effect, and translational lift affect aircraft performance.
- Describe pilot and aircraft certification procedures.
- Describe the importance of flight planning and flight following.
- Describe correct procedures for loading cargo, transporting passengers, and emergency landing.
- Describe correct procedures for reporting aviation mishaps.
- Describe tactical and logistical uses of aircraft.
- Describe safety procedures to be followed by ground personnel during water and retardant drops.
- Describe standard target description techniques for directing pilots and indicators of effective water and retardant drops.
- Describe specifications and safety requirements for locating and constructing helispots.

TARGET GROUP

All single resource bosses, incident commander type 4, and support dispatcher.

MINIMUM INSTRUCTOR QUALIFICATIONS

The lead instructor must be knowledgeable in the use of aviation resources in wildland fire suppression, agency aviation policy, and Federal Aviation Regulations.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as advanced firefighter type 1 (FFT1) or dispatch recorder (EDRC).

COURSE LEVEL

Local

INTERAGENCY HELICOPTER TRAINING **S-271 (S-217)**
1993 30-40 hrs

COURSE DESCRIPTION

This is a combined classroom/field course designed to provide student proficiency in all areas of the tactical and logistical use of helicopters to achieve efficiency and standardization. Topics include: safety, personal protective equipment, capabilities and limitations, load calculations, helicopter makes and models, landing areas, fueling, contract administration, cargo transport, and helibase/helispot organization and operations. Missions and Organizations introduce students to subsequent specialized training options.

OBJECTIVES

The student will be able to:

- Identify the skills necessary to work with a helicopter in the performance of tasks standard to helicopter operations.
- Identify required safety procedures related to working with helicopters.

TARGET GROUP

Personnel involved in fire and non-fire project assignments with helicopters.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified helicopter manager call-when-needed (HWCN) or helicopter boss (HELB).
Unit instructors must be qualified helicopter crewmembers (HECM).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Local

SINGLE ENGINE AIR TANKER MANAGER **S-273**
2003 32 hrs

COURSE DESCRIPTION

This training is designed to provide students with the knowledge/skills necessary to perform the tasks described in the Position Task Book for Single Engine Air Tanker Manager (SEMG). The training addresses the standards, procedures, and duties of an SEMG.

OBJECTIVES

- Perform the tasks required of an SEMG to mobilize and transition into an incident aviation environment and be able to prepare for, manage, and oversee a single engine air tanker operation in given simulations and exercises to support local unit and incident activities.
- Describe the need to gather and organize information during the mobilization and transition phases of the SEAT operation.
- Analyze needs in order to prepare for, organize, and implement a safe, efficient SEAT operation.
- Coordinate with local unit, incident, and non-incident personnel to insure cost effectiveness, efficiency, and safety of the SEAT operation.
- Manage and oversee an ongoing SEAT aviation operation and solve operational and organizational problems during all phases of the incident.

TARGET GROUP

Personnel desiring to be qualified as a Single Engine Air Tanker Manager.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified single engine airtanker manager (SEMG).
Unit instructors must be qualified single engine airtanker managers (SEMG).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Basic Air Operations (S-270)
Qualified as a dispatch recorder (EDRC) or a firefighter (FFT2).
Successful completion of 4-6 hours of pre-course work

COURSE LEVEL

Local

INTERMEDIATE WILDLAND FIRE BEHAVIOR **S-290**
1994 32 hrs

COURSE DESCRIPTION

This is a classroom-based skills course designed to prepare the prospective supervisor to undertake safe and effective fire management operations. It is the second course in a series that collectively serves to develop fire behavior prediction knowledge and skills.

This course may be presented throughout the United States. Fire environment differences are discussed as necessary, and instructor should stress local conditions.

OBJECTIVES

- Identify and describe the environmental, topographic, and fuel factors which influence the behavior of wildland fire.
- Identify and describe the causes of extreme fire behavior, such as spotting, crowning, fire whirls, plume dominated and wind-driven fires.
- Assess fireline data and fire behavior estimations, and identify areas were fire suppression limitations exist.

TARGET GROUP

Firefighter (FFT2), supervisory dispatchers (EDSP), and fire effects monitors (FEMO).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified task force leader (TFLD) or strike team leader or prescribed fire burn boss Type 2 (RXB2).
Unit instructors must be qualified single resource bosses.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Introduction to Wildland Fire Behavior (S-190)

COURSE LEVEL

Local

INTERMEDIATE WILDLAND FIRE BEHAVIOR, CD-ROM **S-290**
1997 Self Paced

COURSE DESCRIPTION

This is a CD-ROM based instructional format of the S-290 course and provides an independent instruction alternative.

OBJECTIVES

- Identify and describe the environmental, topographical, and fuel factors which influence the behavior of wildland fire.
- Identify and describe the causes of extreme fire behavior, such as spotting, crowning, fire whirls, plume dominated and wind-driven fires.
- Assess fireline data and fire behavior estimations, and identify areas where fire suppression limitations exist.

TARGET GROUP

Firefighter type 2 (FFT2), supervisory dispatcher (EDSP), and fire effects monitor (FEMO).

MINIMUM INSTRUCTOR QUALIFICATIONS

A course administrator qualified as a Task Force Leader, Strike Team Leader or Burn Boss 2 must be available in person, by phone, or by email to assist the student during the completion of this course.

COURSE PREREQUISITES

Successful completion of Introduction to Wildland Fire Behavior, S-190

COURSE LEVEL

Local

EXTENDED ATTACK INCIDENT COMMANDER **S-300**
1997 16 hrs

COURSE DESCRIPTION

This course is designed to meting the training needs of the incident commander, type 3 (ICT3). It is presented in a lecture/discussion format and supplemented with group exercises. The six instructional units cover: Information Gathering; Planning; Supporting Organization; Operations; Transitioning; and Demobilization/Administrative Requirement.

OBJECTIVES

Through classroom instruction, exercises, and discussion, the student will be able to:

- Gather information and data about the incident.
- Establish priorities and suppression action.
- Develop an organization appropriate to accomplish the incident objectives.
- Arrange for and/or incorporate incoming resources as ordered for an extended attack organization.
- Brief and provide accurate records to relief.

TARGET GROUP

Personnel desiring to be qualified as an extended attack incident commander type 3 (ICT3).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified division/group supervisor (DIVS).
Unit instructors must be qualified incident commander Type 3 (ICT3).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as an incident commander type 4 (ICT4) <u>and</u> qualified as a task force leader (TFLD).

<u>OR</u>

Qualified as a strike team leader <u>and</u> any two single resource boss positions (one must be crew (CRWB) or engine (ENGB)).

COURSE LEVEL
Regional, state or area

TASK FORCE/STRIKE TEAM LEADER **S-330**
1996 24 hrs

COURSE DESCRIPTION

This course is designed to prepare the student to perform in the role of task force leader (TFLD) or any strike team leader. Examples and exercises in this course package are specific to wildland fire suppression. If the student is expected to perform in another risk area, examples and exercises applicable to the expected risk area should be added.

OBJECTIVES

- Identify the hazards and risks on various incidents and describe how to mitigate them.
- Recognize, plan, for, and describe how to implement appropriate tactics in various incident situations with various resources organized into strike teams (S/T) and task forces (TF).
- Identify and describe how to implement Task Force/Strike Team Leader responsibilities prior to, during mobilization, incident activities, and demobilization.
- Demonstrate the ability to apply LCES to all aspects of a tactical assignment.

TARGET GROUP

Personnel desiring to be qualified as a task force leader (TFLD) or any strike team leader (STPL, STDZ, STEN, or STCR).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified division/group supervisor (DIVS).
Unit instructors must be qualified strike team leaders or task force leaders (TFLD).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Completion of pre-course work which is reading and having a working knowledge of the information contained in the Wildland Fire Suppression Tactics Reference Guide, NFES 1256.

Qualified as single resource boss.

COURSE LEVEL

Regional, state or area

TACTICAL DECISION MAKING IN WILDLAND FIRE **S-336**
2004 24-32 hrs

COURSE DESCRIPTION

This course is designed to meet training requirements in the Operations Section of the Incident Command System. Examples and exercises in this package are specific to wildland fire suppression.

OBJECTIVES

- Develop the knowledge and practice in decision making necessary to effectively apply wildland fire suppression tactics.
- Develop the tools for leadership in applying and teaching appropriate fire suppression tactics at their home unit.

TARGET GROUP

This course is designed primarily to prepare **experienced** single resource bosses and initial attack incident commanders in the tactics necessary at the strike team/task force leader level. It is also valuable for operations supervisors qualified at higher management levels who have not received training in wildfire suppression tactics.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified division/group supervisor (DIVS).
Unit instructors must be qualified strike team leaders or task force leaders (TFLD).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

POSITION PREREQUISTES
Any single resource boss (CRWB, ENGB, DOZB, TRPB, FIRB, FELB) and/or incident commander type 4. Appropriate for task force/strike team leaders desiring additional practice in applying tactical decision making.

COURSE PREREQUISITES
Qualified as a single resource boss or initial attack incident commander (ICT4)

COURSE LEVEL

Regional, Area or State

DIVISION/GROUP SUPERVISOR **S-339**
1997 20 hrs

COURSE DESCRIPTION

This course prepares the student to perform in the role of division/group supervisor. It will provide instruction in support of the specific tasks of division/group supervisor, but will not instruct the student in general management/supervision or in the incident command system (ICS), both of which the student should learn through prerequisite course work. Course topics include: division/group management, organizational interaction, and division operations. There is a final examination in this course.

OBJECTIVE

- Given a supervisor briefing and an incident action plan for a simulated wildland fire situation, students will demonstrate proper performance of all tasks required of a division/group supervisor.

TARGET GROUP

Personnel desiring to be qualified as a division/group supervisor (DIVS).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified operations section chief Type 2 (OSC2).
Unit instructors must be qualified division/group supervisor (DIVS) or incident commander Type 3 (ICT3).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a task force leader (TFLD).

OR

Qualified as an incident commander, type 3 (ICT3).

Satisfactory completion of course pre-work.

COURSE LEVEL

Regional, state or area

SITUATION UNIT LEADER **S-346**
1999 24 hrs

COURSE DESCRIPTION

This course is designed to prepare the student to accomplish the duties and responsibilities of a situation unit leader (SITL) on a large incident. Topics include:

- Unit mission and function
- Organization of the unit
- Collecting incident information
- Technological aids
- Reporting and displaying information

OBJECTIVE

- Upon successful completion of this course, the student will display the skills, knowledge, and tools necessary to perform in the role of situation unit leader (SITL).

TARGET GROUP

Personnel desiring to be qualified as a situation unit leader (SITL).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified situation unit leader (SITL).
Unit instructors must be qualified situation unit leader (SITL).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Successfully complete the pre-course work and the pre-course test.

Qualified as any strike team leader.

OR

Qualified as an incident commander, type 4 (ICT4) and qualified as two single resource boss positions, one of which must be either engine (ENGB) or crew (CRWB).

COURSE LEVEL

Regional, state or area

DEMOBILIZATION UNIT LEADER **S-347**
1999 8 hrs

COURSE DESCRIPTION

This course is designed to prepare the student to accomplish the duties and responsibilities of a demobilization unit leader (DMOB) on a large incident. Topics include:

- Organizing the unit
- Developing and writing the demobilization plan
- Implementing the plan

A final simulation in which the students will deal with a series of hypothetical problems that could arise in the demobilization process, builds on data created in Resource Unit Leader (S-348). If S-347 is being given alone and not part of S-348, the cadre will have to provide the simulated data on which to build the demob plan.

The course is designed to be given together with, and immediately following Resources Unit Leader (S-348).

OBJECTIVE

- Upon the successful completion of this course, the student will display the skills, knowledge, and tools necessary to be a demobilization unit leader (DMOB).

TARGET GROUP

Personnel desiring to be qualified as a demobilization unit leader (DMOB).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified demobilization unit leader (DMOB).
Unit instructors must be qualified resource unit leaders (RESL).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES
Resource Unit Leader (S-348)
Successful completion of pre-course work and pre-course test.

COURSE LEVEL

Regional, state or area

RESOURCES UNIT LEADER **S-348**
1999 20 hrs

COURSE DESCRIPTION

This course is designed to prepare the student to accomplish the duties and responsibilities of a resources unit leader (RESL) on a large incident. Topics include:

- Organizing and managing the unit
- Check-in
- Tracking resource status
- Operational planning
- Resources unit products

An extensive exercise in which the student will organize and operate a resource unit, serves to test the student's skills. Data generated during this exercise may subsequently be used in the exercise for Demobilization Unit Leader (S-347).

The course is designed to be presented together with Demobilization Unit Leader (S-347).

OBJECTIVE

- Upon the successful completion of this course, the student will display the skills, knowledge, and tools necessary to be a resources unit leader (RESL).

TARGET GROUP

Personnel desiring to be qualified as a resources unit leader (RESL).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified resource unit leader (RESL).
Unit instructors must be qualified resource unit leaders (RESL).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a status/check-in recorder (SCKN).

Successfully complete pre-course work and pre-course test.

COURSE LEVEL

Regional, state or area

FACILITIES UNIT LEADER **S-354**
1999 28 hrs

COURSE DESCRIPTION

This course is designed to prepare students to perform the duties of managing incident facilities. These duties include: gathering information about the assignment; planning and organizing the facilities unit; operating the facilities unit on a day-to-day basis; administering the national shower contract; and demobilizing the unit.

OBJECTIVES

At the completion of this course, the student will be able to:

- Plan, staff and manage the facilities in a safe manner.
- Coordinate with other units on the incident.
- Apply the national shower contract to ensure services are provided to the government.

TARGET GROUP

Personnel desiring to be qualified as a facilities unit leader (FACL).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified facilities unit leader (FACL).
Unit instructors must be qualified facilities unit leaders (FACL).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a base/camp manager.

COURSE LEVEL

Regional, state, or area

GROUND SUPPORT UNIT LEADER **S-355**
2000 16 hrs

COURSE DESCRIPTION

This course is designed to prepare students to perform the duties of managing the transportation plan, maintenance and related services at an incident. Topics include: gathering information about the assignment; organizing, staffing, and laying out the unit; field inspection of equipment; operation and coordination of the unit with other units, and demobilization.

OBJECTIVES

- Arrive at an incident properly equipped, gather information to assess the assignment and begin initial planning activities of a ground support unit leader (GSUL).
- Plan, staff, and manage the ground support unit to meet the needs of the incident in a safe manner.
- Coordinate with the logistics units and other sections to assist in accomplishing the overall objectives of the incident.
- Demobilize the ground support unit.

TARGET GROUP

Personnel desiring to be qualified as a ground support unit leader (GSUL).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified ground support unit leader (GSUL).
Unit instructors must be qualified ground support unit leaders (GSUL).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as equipment manager (EQPM).

COURSE LEVEL

Regional, state or area

SUPPLY UNIT LEADER **S-356**
2001 16 hrs

COURSE DESCRIPTION

This course is designed to prepare students to perform the duties of managing the incident supply unit.

OBJECTIVES

- Arrive at an incident properly equipped, gather information to assess the assignment and begin initial planning activities of a supply unit leader (SPUL).
- Organize and staff the supply unit to meet the needs of the incident.
- Coordinate with the logistics unit and other sections to assist in accomplishing to the overall objectives of the supply unit.
- Establish procedures for ordering, receiving, and distributing supplies and equipment.
- Ensure proper accountability of assigned equipment and supplies.

TARGET GROUP

Personnel desiring to be qualified as a supply unit leader (SPUL).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified supply unit leader (SPUL).
Unit instructors must be qualified supply unit leaders (SPUL).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as an ordering manager (ORDM).

AND

Qualified as a receiving/distribution manager (RCDM).

COURSE LEVEL

Regional, state or area

FOOD UNIT LEADER **S-357**
2000 32 hrs

COURSE DESCRIPTION

This course prepares the student to perform the tasks of the food unit leader. Through lecture and interactive exercises, the student is exposed to the various tasks necessary to function successfully as a food unit leader (FDUL). A significant portion of this course is devoted to examining the administration of the National Interagency Mobile Food Service Contract as it applies to the food unit leader (FDUL).

OBJECTIVE

- Upon completion of this course, the student will be able to set up, manage, and demobilize an effective food unit using the National Interagency Mobile Food Service Contract.

TARGET GROUP

Personnel desiring to be qualified as a food unit leader (FDUL).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified food unit leader (FDUL).
Unit instructors must be qualified food unit leaders (FDUL).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Regional, state, or area

Instructors will need to teach this course using the most recent contract language. Course will need to be adjusted to fit this new language. Course is scheduled to begin revision in FY06.

COMMUNICATIONS UNIT LEADER **S-358**
2001 24 hrs

COURSE DESCRIPTION

This course is designed to provide skills and knowledge needed to perform in the role of communications unit leader (COML). Topics include: gathering information, organizing the communications unit, designing communications systems, installing, maintaining, and assigning equipment, internal and external coordination, and demobilization.

OBJECTIVES

- Arrive at the incident properly equipped, gather information to assess the assignment, and begin initial planning activities.
- Plan, staff, manage, and demobilize the communications unit in a safe and effective manner to meet the needs of the incident.
- Coordinate with the communications duty officer (CDO) and/or the communications coordinator (COMC) and other sections to assist in accomplishing the overall objectives of the communications unit.
- Design, order, install, and maintain operations, logistics, and air operations communications systems to support the incident.
- Maintain accountability of assigned communications equipment.

TARGET GROUP

Personnel desiring to be qualified as a communications unit leader (COML).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified communications coordinator (COMC).
Unit instructors must be qualified communications unit leaders (COML).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as an incident communications technician (COMT).

AND

Qualified as an incident communications center manager (INCM).

Satisfactorily complete pre-course work.

COURSE LEVEL

Regional, state or area

MEDICAL UNIT LEADER **S-359**
2000 20 hrs

COURSE DESCRIPTION

This course is designed to provide the skills and knowledge needed to perform in the role of medical unit leader (MEDL). Topics include: gathering information, organizing the medical unit, supervising the unit, evaluation, documentation, and demobilization.

OBJECTIVES

The student will be able to:

- Plan, staff and manage the medical unit.
- Coordinate with other incident entities as necessary.
- Respond to medical emergencies and transport patients.
- Describe how to provide high quality patient care.

TARGET GROUP

Personnel desiring to be qualified as a medical unit leader (MEDL).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified medical unit leader (MEDL).
Unit instructors must be qualified medical unit leaders (MEDL).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Prior or current certification as an Emergency Medical Technician or equivalent.

COURSE LEVEL

Regional, state, or area

FINANCE/ADMINISTRATION UNIT LEADER **S-360**
2000 32 hrs

COURSE DESCRIPTION

This course is designed to provide the prerequisite knowledge and skills necessary to perform the tasks of finance/administration unit leaders, i.e. time unit leader (TIME), procurement unit leader (PROC), compensation/claims unit leader (COMP), and cost under leader (COST). This course provides cross training for all the finance/administration unit leaders. Students do not repeat the course to become qualified in other finance/administration unit leader positions, but must complete the appropriate position task book.

OBJECTIVES

- Describe the role and responsibilities common to all finance/administration unit leaders.
- Demonstrate proficiency in the skills/knowledge required to perform the tasks of the following positions:
  - Time unit leader (TIME)
  - Procurement unit leader (PROC)
  - Compensation/claims unit leader (COMP)
  - Cost unit leader (COST)

TARGET GROUP

Personnel desiring to be qualified as procurement (PROC), cost (COST), time (TIME), and/or compensation/claims (COMP) unit leader (s).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified finance/administration section chief Type 2 (FSC2).
Unit instructors must be qualified as any unit leader in the Finance Section.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as personnel time recorder (PTRC) for time unit leader (TIME).

Qualified as equipment time recorder (EQTR) and meet agency procurement authority requirements for procurement unit leader (PROC).

Qualified as compensation-for-injury specialist (INJR) and claims specialist (CLMS) for compensation/claims unit leader (COMP).

Have agency related cost estimation and analysis experience for cost unit leader (COST).

COURSE LEVEL

Regional, state or area

HELIBASE MANAGER **S-371**
1997 32 hrs

COURSE DESCRIPTION

This course prepares the student to perform the tasks required of a helibase manager. Examples and exercises in this course are specific to wildland fire suppression. If the student is expected to perform in another risk area, examples and exercises appropriate to that risk area should be added.

OBJECTIVE

- At the conclusion of this course, the student will be able to perform the tasks required of a helibase manager to develop, organize and manage a helibase in support of incident activities when given simulations and exercises.

TARGET GROUP

Personnel desiring to be qualified as a helibase manager, type 2 (HEB2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified helibase manager type 1 (HEB1).
Unit instructors must be qualified helibase manager type 2 (HEB2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a helicopter boss (HELB) OR helicopter manager call-when-needed (HCWN).

Satisfactory completion of 8-12 hours of pre-course work.

COURSE LEVEL

Regional, state or area

COURSE DESCRIPTION

This course is designed to meet the training needs of an Air Tactical Group Supervisor (ATGS) and Helicopter Coordinator (HLCO) as outlined in the Wildland and Prescribed Fire Qualifications System Guide, PMS 310-1 and the Position Task Book (PTB) developed for the position. Pre-course work covers air operations organization, responsibilities, and aircraft types and capabilities. Classroom topics include: communications, navigation, air traffic control, strategy and tactics, and safety.

OBJECTIVES

The student will be able to:

- Describe procedures for safe and effective air traffic control over an incident.
- Describe safe and effective procedures for utilization of aircraft to meet incident objectives.
- Describe procedures for increased safety and tactical support for incident aviation and ground forces.

TARGET GROUP

The target group is personnel desiring to be qualified as an Air Tactical Group Supervisor (ATGS), and Helicopter Coordinator (HLCO), along with Leadplane Pilot Trainees.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified air tactical group supervisor (ATGS).
Unit instructors must be qualified air tactical group supervisors (ATGS).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Students must meet position prerequisite for an ATGS or HLCO identified in the PMS 310-1, Wildland and Prescribed Fire Qualification System Guide.

Students must pass the pre-course test with a minimum score of 70 percent to be admitted.

COURSE LEVEL

Regional, state or area

INTRODUCTION TO WILDLAND FIRE BEHAVIOR CALCULATIONS **S-390**
1994 16 hrs

COURSE DESCRIPTION

This course is the third in a series designed to develop knowledge and skills required for effective fire behavior prediction. This course introduces fire behavior calculations by manual methods, using nomograms. The student gains an understanding of the determinants of fire behavior through studying input (e.g., wind, slope, fuels, and fuel moisture). Students also learn how to interpret fire behavior output. Local and regional environmental differences are stressed.

OBJECTIVES

The student will be able to:

- Determine what input is needed for the surface fire behavior nomogram.
- Perform fire behavior calculations of rate of spread, fireline intensity, flame length, area/perimeter growth, and maximum spotting distance using a fire behavior processor.
- Prepare a fire perimeter map showing head, flanks, and rear of the fire in hourly increments.
- Based on predicted fire behavior, identify areas where fire suppression limitations exist, and make recommendations for fireline location and safe control tactics including the use of backfiring and burning out.
- Discuss applications of fire behavior predictions and recognize when predictions may be different from the observed behavior.

TARGET GROUP

Personnel desiring to be qualified as a strike team leader/task force leader (TFLD) or in a position which requires this knowledge.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be either division group supervisor (DIVS) or burn boss type 1 (RXB1) qualified, but it is strongly recommended that the lead instructor be fire behavior analyst (FBAN) or long term fire analyst (LTAN) qualified.

Unit instructors must be qualified strike team leaders or task force leaders (TFLD) or prescribed fire burn boss (RXB2)

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES
Intermediate Wildland Fire Behavior (S-290)

COURSE LEVEL

Regional, state, or area

INCIDENT COMMANDER **S-400**
2002 24 hrs

COURSE DESCRIPTION

The course describes the role of the incident commander to manage type 2 incidents. Topics include team administration; communication, information and intelligence processing; agency administrator and IC responsibilities, transfer of command, and demobilization. The course provides exercisers to assist the student in acquiring the knowledge to learn these skills. An optional "lessons learned" unit allows the addition of geographic area specific information, but the course time frame must be increased accordingly.

OBJECTIVES

The student will be able to:

- Define and describe the role of the incident commander in managing complex extended all risk incidents.
- Describe the role of the incident commander and agency administrator in preparing and revising the Delegation of Authority and Wildland Fire Situation Analysis (WFSA).
- Recognize the incident management team's role in using appropriate interpersonal communication skills and management principles necessary for effective and efficient incident management.

TARGET GROUP

Personnel desiring to be qualified as an incident commander, type 2 (ICT2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified incident commander (ICT2).
Unit instructors must be qualified incident commander (ICT2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as an incident commander, type 3 (ICT3).

Qualified as one of the general staff section chiefs at the type 2 level.

COURSE LEVEL

Regional, state or area

INFORMATION OFFICER **S-403**
2001 28-32 hrs

COURSE DESCRIPTION

This course meets the training requirements for an information officer, type 2 (IOF2). Topics include: information organization and assignment, developing a communications strategy, information operations, creating a safe environment, effective media relations, incident within an incident, community relations analysis, documentation, demobilization, and transitioning. Student must pass a final exam.

OBJECTIVE

- Identify and describe the policies and procedures necessary to effectively serve as information officer, type 2 (IOF2) on a type 2 incident.

TARGET GROUP

Personnel desiring to be qualified as information officer, type 2 (IOF2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified information officer (IOF2).
Unit instructors must be qualified information officers (IOF2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Introduction to Wildland Fire Behavior (S-190)

Qualified as an information officer, type 3 (IOF3).

COURSE LEVEL

Regional, state or area

SAFETY OFFICER **S-404**
2002 32 hrs

COURSE DESCRIPTION

This course is designed to meet the training needs of the safety officer, type 2 (SOF2) position in the incident command system. Topics include: safety officer effectiveness; analysis techniques; safety messages, briefings and reports; and high hazard operations.

OBJECTIVE

- Upon successful completion of this course, the student will display the skills, knowledge, and tools necessary to be a safety officer, type 2 (SOF2).

TARGET GROUP

Personnel desiring to be qualified as a safety officer, type 2 (SOF2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified safety officer (SOF2).
Unit instructors must be qualified safety officers (SOF2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a division/group supervisor (DIVS).

COURSE LEVEL

Regional, state or area

COMMAND AND GENERAL STAFF **S-420**
2002 36 hrs

COURSE DESCRIPTION

This course is designed to prepare the student to function effectively in the position of a type 2 incident commander, command or general staff. The focus of this course is on the application of previously acquired knowledge and skills. Students will participate in two types of groups (teams and similar position) during exercises. These exercises include a simulation of the mobilization, management, and demobilization phases of a rapidly accelerating type 2 wildfire that has potential to become a type 1 incident.

OBJECTIVE

- Students will perform the duties and responsibilities of their respective positions as team members on a type 2 incident.

TARGET GROUP

Personnel desiring to be qualified as an incident commander, type 2 (ICT2), or command or general staff positions.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified command or general staff type 2.
Unit instructors must be qualified command or general staff type 2.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

It is strongly recommended that the student has completed all prerequisite experience and course work to be qualified at the type 2 level as an incident commander (ICT2), command or general staff.

COURSE LEVEL

Regional, state or area

OPERATIONS SECTION CHIEF **S-430**
1996 16 hrs

COURSE DESCRIPTION

This course is designed to meet the training needs of the operations section chief, type 2 (OSC2). It is presented in a lecture/discussion format and supplemented with group exercises. Topics include: planning, supervising, and coordinating. Students are evaluated in two ways: subjectively while working in group exercises and with a final written test.

OBJECTIVE

- Given a specific fire situation, perform the role of the operations section chief as it applies to planning, supervising, and coordinating.

TARGET GROUP

Personnel desiring to be qualified as an Operations Section Chief, Type 2 (OSC2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified operations section chief (OSC2).
Unit instructors must be qualified operations section chiefs (OSC2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a division/group supervisor (DIVS).

COURSE LEVEL

Regional, state or area

PLANNING SECTION CHIEF **S-440**
2001 20 hrs

COURSE DESCRIPTION

This course is designed to meet a portion of the training needs of the planning section chief, type 2 (PSC2). Topics include: information gathering, strategies, meetings and briefings, incident action plan (IAP), interactions, forms, documents, supplies, demobilization, and an optional technology section. In the final exercise the students observe a simulated planning meeting, and use the information derived to find errors in an incident action plan (IAP). Students must pass the unit tests and the final exercise to successfully complete the course.

OBJECTIVE

- The student will display the skills, knowledge, and tools necessary to perform the duties and responsibilities of the planning section chief (PSC2).

TARGET GROUP

Personnel desiring to be qualified as a planning section chief, type 2 (PSC2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified planning section chief (PSC2).
Unit instructors must be qualified planning section chiefs (PSC2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a Situation Unit Leader (SITL).

AND

Qualified as a Resources Unit Leader (RESL).

Satisfactory completion of pre-course work.

COURSE LEVEL

Regional, state or area

INFRARED INTERPRETER **S-443**
32 hrs

COURSE DESCRIPTION

This is a controlled course for a small number of selected students and is scheduled only when there is a need for new infrared interpreters. This course is highly technical, and both students and instructors are carefully selected. Students practice interpreting actual imagery and transfer the interpretation to maps, both manually and technologically.

Students are selected on the basis of technical competence and mapping skills, as well as determined deficiencies of qualified interpreters in geographical areas. Spatial abilities are very important. Ability to work late at night is also helpful.

OBJECTIVE

- Identify and demonstrate the tasks required of the infrared interpreter (IRIN) on a wildland fire.

TARGET GROUP

Personnel desiring to be qualified as an infrared interpreter (IRIN).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified infrared interpreter (IRIN).
Unit instructors must be qualified infrared interpreters (IRIN).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None, however, it is strongly suggested students take Introduction to ICS (I-100).

COURSE LEVEL

National

INCIDENT TRAINING SPECIALIST **S-445**
2002 14-18 hrs

COURSE DESCRIPTION

This course is designated to train personnel to perform the training specialist position. The purpose of the training specialist is to coordinate incident training opportunities and activities, ensure the quality of training assignments, and complete documentation of the incident training.

OBJECTIVES

Student will be able to:

- Organize and implement an incident training program.
- Analyze and facilitate training assignments to fulfill individual development needs of trainees.
- Document individual trainee assignments and the incident training program.

TARGET GROUP

Personnel desiring to be qualified as TNSP. Selections should be based on technical competence in the incident command system, availability to participate on incidents, and displayed interest in improving training.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified incident training specialist (TNSP).
Unit instructors must be qualified incident training specialist (TNSP).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

None

COURSE LEVEL

Regional, state or area

LOGISTICS SECTION CHIEF **S-450**
2002 16 hrs

COURSE DESCRIPTION

This course is designed to meet the national core needs of the logistics section chief, type 2 (LSC2).

OBJECTIVES

Students will have the necessary information to:

- Arrive properly equipped at an incident, gather information to access the assignment, and begin initial planning activities of the logistics section chief.
- Determine that facilities, services, and materials are provided for the incident.
- Plan, staff, and manage the logistics section to meet the needs of the incident in a safe and efficient manner.
- Coordinate with other sections to assist in accomplishing the overall objectives of the incident.
- Implement the demobilization plan.

TARGET GROUP

Personnel desiring to be qualified as a logistics section chief, type 2 (LSC2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified logistics section chief (LSC2).
Unit instructors must be qualified logistics section chiefs (LSC2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Satisfactory performance as a facilities unit leader and a ground support unit leader

OR

Satisfactory performance as a facilities unit leader and a supply unit leader.

COURSE LEVEL

Regional, state or area

FINANCE/ADMINISTRATION SECTION CHIEF **S-460**
2001 24 hrs

COURSE DESCRIPTION

This course is designed to meet a portion of the training needs in the finance section organization. Topics include: pre-dispatch and response, organization and operation of the finance function, and demobilization.

OBJECTIVES

At the completion of this course, the student will be able to:

- Define the roles and responsibilities of the finance/administration section chief, type 2 (FSC2) in the over all management of the finance/administration section.
- Describe the relationship of the FSC2 with incident personnel, incident agency personnel, and other contacts.
- Describe the role of the FSC2 in development/review/update of incident related documents, i.e., Wildland Fire Situation Analysis (WFSA), demobilization plan, incident action plan (IAP), cost share agreements.
- Describe the role of the FSC2 in development of the incident finance package.

TARGET GROUP

Personnel desiring to be qualified as a finance/administration section chief, type 2 (FSC2).

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified finance/administration section chief (FSC2).
Unit instructors must be qualified finance/administration section chiefs (FSC2).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as a time unit leader (TIME).

AND

Qualified as a procurement unit leader (PROC) or cost unit leader (COST).

COURSE LEVEL

Regional, state or area

AIR OPERATIONS BRANCH DIRECTOR **S-470**
2002 40 hrs

COURSE DESCRIPTION

This course is designed to meet the needs of the air operations branch director (AOBD) position. Topics include:

- Preparedness and mobilization
- Initial briefings and meetings
- Transition
- Preparing and organizing for an aviation operation
- Implementation of an aviation operation
- Management and oversight of an aviation operation
- Demobilization

OBJECTIVE

- At the successful completion of this course the student will generally be able to: perform the tasks required of an Air Operations Branch Director (AOBD) to mobilize and transition into an incident aviation environment, and be able to prepare for, manage, and oversee an aviation operation in given simulations and exercises to support incident activities.

TARGET GROUP

Personnel desiring to be a qualified air operations branch director (AOBD). This course is designed primarily to instruct fully qualified and experienced air support group supervisors (ASGS) in the skills necessary to perform at the air operations branch director (AOBD) level in all situations.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified air operations branch director (AOBD).
Unit instructors must be qualified air operations branch directors (AOBD).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Qualified as an air support group supervisor (ASGS).

Successful completion of pre-course work.

COURSE LEVEL

Regional, state or area

ADVANCED FIRE BEHAVIOR CALCULATIONS **S-490**
1993 40 hrs

COURSE DESCRIPTION

This course is the fourth in a series designed to develop fire behavior and prediction knowledge and skills. This course prepares the student for S-590, Advanced Fire Behavior Interpretation. Examples and exercises are divided between wildfire and prescribed fire applications. The student learns to project fire perimeter growth based on weather predictions and knowledge of fuels and topography, using a variety of scenarios.

OBJECTIVES

At the completion of the course, the student will be able to:

- Demonstrate the assumptions, limitations, and appropriate uses of fire behavior prediction models.
- Demonstrate computation of wildland fire behavior parameters using advanced techniques to define model inputs and compute outputs.
- Demonstrate the procedures to predict fire growth and extreme fire behavior in complex terrain.
- Demonstrate ability to predict when wildland fire behavior in the third dimension is likely, and the associated impacts on firefighter safety and operations.

TARGET GROUP

Personnel desiring to be qualified as a fire behavior analyst (FBAN), long term fire analyst (LTAN), or other fire or fire use personnel who would benefit from this course.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead instructor must be a qualified fire behavior analyst (FBAN) or long term fire analyst (LTAN) or prescribed fire burn boss Type 1 (RXB1).
Unit instructors must be at least trainee fire behavior analyst (FBAN) or long term fire analyst (LTAN) or prescribed fire burn boss Type 1 (RXB1).

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

Introduction to Wildland Fire Behavior Calculations (S-390).

Proficient with automated fire behavior calculation programs (i.e., BEHAVE).

COURSE LEVEL

Regional, state or area

INTERMEDIATE NATIONAL FIRE DANGER RATING SYSTEM **S-491**
2003 32 hrs

COURSE DESCRIPTION

The course develops the knowledge and skill to operate, maintain and manage the NFDRS at the local unit. Course lecture and exercises support practical and technical application of the intellectually complex subject matter. The course requires a computer classroom with internet access to present.

OBJECTIVE

- Upon completion of this course the student will demonstrate the knowledge and skills necessary to operate, apply, and manage the National Fire Danger Rating System.

TARGET GROUP

The course lessons and exercises support training for dispatchers and others charged with editing and inputting weather information into WIMS used for NFDRS calculations, fire management staff who apply NFDRS outputs to decision making, and fire behavior specialists who incorporate NFDRS products into assessments and projections.

MINIMUM INSTRUCTOR QUALIFICATIONS

It is highly recommended that the entire faculty has either successfully completed Advanced NFDRS at NAFRI or is an instructor for Advanced NFDRS at NAFRI. Faculty selection is the responsibility of the lead instructor, with administrative support from the course coordinator.

<u>It is highly recommended that course coordinators consult with the Advanced NFDRS Steering Chair when selecting the lead instructor to present this course.</u>

Unit Instructors:
At a minimum, have completed S-491 or one of the geographic area courses taught previously, preferably has attended the Advanced NFDRS course. The Unit leader must be competent in all the areas of emphasis within the unit, and able to teach any of the lessons or provide answers to detailed questions about the lesson's content, and provide leadership to coaches. The lesson instructors should be competent and comfortable in presenting the content of the lesson, answering technical questions on the lesson subject matter, and have expertise with the course software sufficient to coach students through course exercises.

COURSE PREREQUISITES

Demonstrate at least intermediate skills with the current Windows™ operating system.

- Possess a valid Weather Information Management System (WIMS) logon identification.
- Have successfully completed Intermediate Wildland Fire Behavior, S-290.
- Successfully complete the pre-qualifying work with a minimum passing score of 70% or higher.

COURSE LEVEL

Regional, state or area

LONG TERM FIRE RISK ASSESSMENT **S-492**

70-100 hrs (includes pre-course work and 36 hours of classroom)

COURSE DESCRIPTION

This course is designed specifically for those individuals wishing to make long term fire risk assessments and/or continue training to serve as a fire behavior analyst (FBAN) or long term fire analyst (LTAN) on long-duration and complex wildland fires. Those already qualified at the FBAN level will find the instruction valuable in predicting wildland fire behavior and spread potential for medium and long time periods.

Course units will explore modeling uncertainty, prescribed fire planning, fire effects models, and climatology to predict potential fire behavior and growth. There will be some lecture, but the majority of the course consists of exercises focusing on acquiring data, analyzing the data, applying it to the situation, and preparation of a written summary to display the information.

S-492 is a pass/fail course based on scores received in pre-course work, quizzes, and the final examination. The student must have a cumulative score of 70% or higher to pass.

OBJECTIVES

To provide students with a working knowledge of the Long Term Fire Risk Assessment process so that given defined issues of risk, the student can select the appropriate tools, develop data sets, run assessment tools, interpret outputs and understand the philosophy, limitations and assumptions of the various models.

During the course, students will:

- Learn analytical techniques to evaluate long term risks associated with fire movement or undesired smoke impacts.
- Acquire, manipulate, and interpret historical weather data and use results with forecasts to specify expected weather by percentile class, fire ending events, and seasonal severity.
- Apply fire modeling and decision analysis techniques to evaluate, display, and interpret the risks and uncertainty that a fire will reach a point of concern or cause critical smoke events.
- Be able to use the Rare Event Risk Assessment Process (RERAP), Fire Family Plus and Greenness Imagery for long range planning.
- Discuss the application of the Long Term Assessment process to the duties of FBAN and LTAN.

TARGET GROUP

- Long term fire analysts (LTAN) candidates and current fire behavior analysts (FBAN) desiring qualification as long term fire analysts (LTAN).
- Individuals desiring to acquire long term fire risk assessment knowledge for use in wildland fire use and prescribed fire planning at unit levels.
- Individuals intending to use RERAP as a technical specialist.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead Instructor - qualified as long term fire analyst (LTAN) with experience on Fire Use teams AND in completing geographic area level risk assessments OR is a unit leader in the S-590 course.

Unit Leader - qualified as long term fire analyst (LTAN) or fire behavior analyst (FBAN).

Lesson Instructor - qualified as LTAN or FBAN, or LTAN or FBAN trainee, or successful S-492 student who has applied course skills while assigned under a qualified LTAN or FBAN in planning or incident assignments.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

- Advanced Wildland Fire Behavior Calculations (S-490)
- Intermediate NFDRS (S-491)
- Proficiency in the use of the Fire Behavior Prediction System (including BEHAVE Plus)
- Proficiency in obtaining and manipulating weather data with FireFamily Plus
- Proficiency in file management and directory structures in the current Windows operating systems.

Acceptance into the course will depend on the nominee's successful completion of approximately 15-20 hours of web-based pre-qualifying course work. Upon notification of final acceptance into the course, students will be required to complete 10 course units on the Internet, requiring an additional 20-40 hours of study.

COURSE HARDWARE REQUIREMENTS

Selected students will be required to bring a notebook PC to the course with the following minimum specifications:

- IBM compatible notebook (laptop)
- Windows 95 or later operating system
- 800 x 600 pixel Active Matrix color display
- Minimum 300 Mhz Pentium
- Minimum of 128 megabytes RAM for Windows 95/98/me, 256 megabytes RAM for Windows NT/2000/XP
- 500 megabytes of hard drive free space
- Current virus software installed and running in background
- External mouse
- 3 ½" floppy drive
- CD ROM drive or USB port
- Industry standard web browser

COURSE LEVEL

Geographic area, equivalent in detail and complexity to a 400 level university course. Nominees should be prepared to schedule time to study, practice on exercises, and meet deadlines just as they would in a university course.

FARSITE FIRE AREA SIMULATOR **S-493**

60-90 hrs (includes pre-course work & 32 hours of classroom)

COURSE DESCRIPTION

The course is broken into three parts. The first portion consists of pre-course qualifying work to evaluate required student skill level in: file management skills, basic GIS concepts and terms, appearance and functions of the FARSITE software, and the Fire Behavior Prediction system. The second portion of the course provides: introduction to operation of the FARSITE software, practice developing components of FARSITE runs, fire behavior models, necessary file management and documentation to complete FARSITE runs. A comprehensive exercise is also provided. The majority of the classroom portion of the course is dedicated to incorporation of the experience gained during the pre-course work into exercises based on actual planning and wildland fire examples.

OBJECTIVES

During the course students will:

- Describe the GIS data needed to run the model so they can communicate with GIS specialists to obtain files compatible for input into FARSITE.
- Develop and use weather stream inputs from meteorological observations, forecasts, and scenarios.
- Demonstrate how to produce products for long-range temporal and spatial fire projections to support briefings and fire management planning.
- Discuss the information necessary to understand FARSITE, calibrate, validate and interpret the outputs to support management in fire use decision-making
- Identify potential applications of FARSITE and highlight their unique requirements.

Upon completion of this course, students will have sufficient familiarity with FARSITE to develop advanced application skills needed in fire management. Students will have a working knowledge of FARSITE so that, given the required GIS data themes, the students can create landscapes, develop weather streams, run fire simulations, interpret outputs and understand the philosophy, limitations and assumptions of the model.

TARGET GROUP

The target group for this course includes:

- Individuals currently proficient with other fire behavior prediction models;
- Individuals destined for the S-590 Advanced Fire Behavior Interpretation course;
- Individuals currently active in the FBAN and/or LTAN positions;
- Individuals intending to use the model as a technical specialist;
- GIS specialists who support *FARSITE* data needs in conjunction with other fire management considerations; and
- Fuel specialists and fire planners that are involved with fuel management planning.

MINIMUM INSTRUCTOR QUALIFICATIONS

Lead Instructor - qualified as Long Term Fire Analyst (LTAN) or Fire Behavior Analyst (FBAN) with experience on Fire Use teams OR is a Unit Leader in the S-590 course.

Unit Leader - qualified as Long Term Fire Analyst (LTAN) or Fire Behavior Analyst (FBAN).

Lesson Instructor - qualified as LTAN or FBAN, or LTAN or FBAN trainee who has completed S-590, and has a properly initiated task book, and is fully competent in the lesson subject matter, OR

a GIS Specialist whose programmatic duties are to support FARSITE data layer development or incorporation of FARSITE products into fire management products.

Also see NWCG Instructor Qualifications at the beginning of this Guide.

COURSE PREREQUISITES

- Advanced Wildland Fire Behavior Calculations (S-490)
- Intermediate NFDRS (S-491) recommended but not required
- Proficiency in, and understanding of the basic fire spread models including inputs, output vectors, live and dead fuel moistures, and the assumptions and limitations of the models.
- Students must be adept at working within the directory structures in Windows and in the use of Windows Explorer file management and folder structures.

Note: a limited number of seats are available for auditing the course for those not meeting the prerequisites such as academics, GIS specialists, planners, and resource specialists.

Acceptance into the course will depend on the nominee's successful completion of approximately 15-20 hours of pre-course qualifying course work. Upon notification of final acceptance into the course, students are required to complete 12 course units of pre-classroom distance learning, requiring an additional 20-40 hours of study. The classroom component of the course is 32 hours.

COURSE HARDWARE REQUIREMENTS

Selected students will be required to bring an IBM compatible notebook PC to the course with the following minimum specifications:

	MINIMUM	**RECOMMEND**	**PREFORMANCE**
Windows Operating System	98/Me	NT4/2000/XP	2000/XP
Memory	64MB	256MB	1GB
Number of Processors: Pentium II, III, or IV or equivalent	1-400MHz	1 or 2-1.5GHz	2 or 4-1.5GHz
Free hard drive space	500MB	20GB	50GB
Display resolution	800 x 600	1280 x 1024	Dual Monitors
Mouse or Pointer	required	required	required
CD ROM Drive	required	required	required

COURSE LEVEL

S-493 *FARSITE* Fire Area Simulator is equivalent in detail and complexity to a 400 level university course. Nominees should be prepared to schedule time to study, practice on exercises, and meet deadlines just as they would take a university course. Completion of this course is an investment in your career, whether you work in resources, fire management or geographic information systems.

APPENDIX A

FIELD MANAGER'S COURSE GUIDE

ERRATA SHEETS

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #1

Effective Date: October 1, 2001

Changes:

The Field Manager's Course Guide (FMCG) has been entirely revised. Specific items to note include:

- The format for this Guide has changed.
- Course information has been updated.
- Course numbers have changed to comply with the Wildland and Prescribed Fire Qualifications System Guide, PMS 310-1.

  - Numbers will be changed on the packaged course materials at the time of revision (see Revision Schedule link on the NWCG/Training Working Team web page).
  - During the transition period, continue to ordered courses by the "old" number (check the NWCG National Fire Equipment System Catalog, Part 2 for the correct ordering number).
  - The "new" number will be the official reference in PMS 310-1, the qualification (red card) systems, and other documents.
  - It is suggested "new" numbers be used on course announcements, certificates and such with the "old" number in parenthesis as a reference (see examples in Guide Index).
  - The Guide will be maintained on the NWCG web page at:

    www.nwcg.gov/pms/training/training.htm/pubs/training

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #2

Effective Date: December 11, 2001

The Field Manager's Course Guide has been amended as follows:

S-132, Standards for Survival
Course description wording was edited.

S-200, Initial Attack Incident Commander
Course prerequisite was changed.

S-233, Tractor Plow Boss
Course length was changed.

S-258, Incident Communications Technician
Course description and course prerequisites wording were edited.

S-336, Fire Suppression Tactics
Entire page was rewritten.

S-400, Incident Commander
Course length and course description were edited.

S-420, Command & General Staff
Course length, course description and course prerequisites were edited.

S-440, Planning Section Chief
Course description wording was edited.

S-445, Training Specialist
Entire page was rewritten.

S-450, Logistics Section Chief
Entire page was rewritten.

S-460, Finance/Administration Section Chief
Course length and course description were edited.

S-491, Intermediate National Fire Danger Rating System
Entire page was rewritten.

FIELD MANAGERS' COURSE GUIDE
ERRATA SHEET #3

Effective Date: April 3, 2002

The Field Managers' Course Guide has been amended as follows:

S-470 Air Operations Branch Director
Course length was changed.
Course description wording was edited.

S-378 Air Tactical Group Supervisor
Target group was edited.

M-410 Facilitative Instructor
Instructor qualifications wording was edited.

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #4

Effective Date: September 18, 2002

The Field Manager's Course Guide has been amended as follows:

NWCG Instructor Levels and Requirements, p.5
Change verbiage to match the Course Coordinator's Guide.

L-180, Human Factors

Add Human Factors, L-180 description to the Guide as per the Leadership Committee's recommendation.

S-445, Incident Training Specialist
The word Incident was added to the course name, p. 9 and 83.
Course hours were changed from 12-16 to 16-18.
J-445 was deleted on p. 9.

J-158, Radio Operator
Add J-158 to the list on page 9.

S-232, Dozer Boss
Change hours to match course.

S-359, Medical Unit Leader
Change hours to match course.

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #5

Effective Date: February 28, 2003

The Field Manager's Course Guide has been amended as follows:

Changes Due to Course Revisions/Deletions

Index, p.7
Add "No longer available for order thru PMS" behind P-151

Index, p.10
Delete M-471 (IAMS) – this course was replaced with ACE modules in May 2002

M-410, Facilitative Instructor

Update to provide current information for the 2002 course

P-151, Wildfire Origin and Cause Determination

Add note in bold – **"Course is no longer available for order thru PMS; will be replaced by FI-210 in late 2003."**

S-216, Driving for the Fire Service

Update to provide current information for the 2002 course

S-270, Basic Air Operations

Update to provide current information for the 2002 course

S-445, Incident Training Specialist

Update to provide current information for the 2002 course

Other Changes/Amendments Made To Bring Courses In Line With Instructor Guides and Publication Catalog

Introduction, p.3
Change "authoritative reference information" verbiage to "designed to provide administrative information"
Add reference for ordering NWCG course material

ICS Course (I-200, 300, 400)

Add module numbers to courses

I-401, Multi-Agency Coordination

Change publication date from 1986 to 1994

I-402, ICS for Executives

Delete "self-paced"

Add "ICS for Executives is last of the 17 instructional modules making up the ICS curriculum."

L-180, Human Factors

Add publication date "2000"

M-480, Multi-Agency Coordinating (MAC) Group

Change publication date from 2002 to 2003

RX-300, Prescribed Fire Burn Boss
Change course hours from 36 to 40

S-110, Wildland Fire Suppression Orientation
Add "self-paced" after course number
In the course description, change "This course" to "This video". Change "will" to "should" in second sentence.
Change wording of instructor qualifications

S-134, LCES
Change publication date from 2002 to 2003

S-211, Portable Pumps and Water Use

Add "self-paced" after course number

S-230, Crew Boss

Under INSTRUCTOR QUALIFICATIONS, add "See page 5 for NWCG Instructor Levels and Requirements."

Delete DISCRETIONARY TRAINING

Delete DEVELOPMENT SCHEDULE

S-248, Status/Check-In Recorder

Change course hours from 16 to 12-16

S-261, Applied Interagency Incident Business Management

Add sentence in COURSE DESCRIPTION behind first sentence – "It can be taught as a classroom or self-paced course."

S-271, Interagency Helicopter Training

Change course hours from 40 to 30-40

S-281, Supervisory Concepts and Techniques

Change publication date from 1991 to 1996

S-336, Fire Suppression Tactics

Under INSTRUCTOR QUALIFICATIONS, add "See page 5 for NWCG Instructor Levels and Requirements."

Change OBJECTIVES

S-339, Division/Group Supervisor
Change course hours from 16 to 20

S-348, Resource Unit Leader
Change course hours from 24 to 20

S-355, Ground Support Unit Leader
Change publication date from 2001 to 2000

S-358, Communications Unit Leader
Change course hours from 32 to 24

S-381, Leadership and Organizational Development
Change course hours from 24 to 24-40
Add publication date “1996”
Change TARGET GROUP
Change COURSE PREREQUISITES

S-390, Introduction to Wildland Fire Behavior Calculations

Change OBJECTIVES
Change INSTRUCTOR QUALIFICATIONS

S-403, Information Officer
Change course hours from 32 to 28-32

S-460, Finance/Administration Section Chief

Add publication date “2001”

S-491, Intermediate National Fire Danger Rating System

Change publication date from 2002 to 2003

Clean up DESCRIPTION

Delete all reference to S-591

S-492, Long Term Fire Risk Assessment

Delete publication date

S-493, FARSITE Fire Area Simulator

Delete publication date

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #6

Effective Date: May 2, 2003

The Field Manager's Course Guide has been amended as follows:

L-280, Followership to Leadership

Add L-280, Followership to Leadership description to the Guide as per the Leadership Committee's recommendation.

S-273, Single Engine Airtanker Manager

Add S-273, Single Engine Airtanker Manager description to the Guide.

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #7

Effective Date: September 25, 2003

The Field Manager's Course Guide has been amended as follows:

NAFRI Course List

Change RX-540 to RX-510.

L-180, Human Factors

Reword sentences two and three to correspond to updated material.

L-280, Followership to Leadership

Change Instructor Qualifications.

S-110, Basic Wildland Fire Suppression Orientation

Insert updated course description from 2003 course.

S-215, Fire Operations in the Wildland/Urban Interface

Insert updated course description from 2003 course.

S-371, Helibase Manager

Change Course Prerequisites from HEMG to HELB or HCWN.

S-378, Air Tactical Group Supervisor

Change Course Prerequisites from HEMG to HELB or HCWN.

RX-410, Smoke Management Techniques

Insert updated course description from 2003 course.

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #8

Effective Date: December 4, 2003

The Field Manager's Course Guide has been amended as follows:

NWCG Position on Course Presentation and Materials

Add the new verbiage on the "NWCG Position on Course Presentation and Materials" after the "Description of the Performance Based System".

Job Aids
Replace current Job Aids page with the update which contains a more in-depth description of each job aid.

L-180, Human Factors on the Fireline
Add "on the Fireline" to the title of the course on the appropriate page and in the index.

L-380, Fireline Leadership
Insert the course description and add the course to the index.

P-151, Wildfire Origin and Cause Determination
Delete course description and reference in index.

S-132, Standards for Survival
Delete course description and reference in index.

S-273, Single Engine Air Tanker Manager
Change "Airtanker" to "Air Tanker" in both the description and the index.
Add S-270 to "Course Prerequisites".

S-281, Supervisory Concepts and Techniques (previously S-201)
Delete course description and reference in index.

S-347, Demobilization Unit Leader
Change "Course Prerequisites" from qualified as a Resource Unit Leader to Resource Unit Leader (S-348).

S-378, Air Tactical Group Supervisor

Insert updated course description for 2003 course.

S-390, Introduction to Wildland Fire Behavior Calculations
Change “Course Prerequisites” to Intermediate Wildland Fire Behavior (S-290).

S-491, Intermediate National Fire Danger Rating System
Add “Intermediate” to the course name in the index.

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #9

Effective Date: February 26, 2004

The Field Manager's Course Guide has been amended as follows:

Throughout the document, the page reference in the INSTRUCTOR QUALIFICATIONS section has been edited.

D-110, Dispatch Recorder

Correct instructor qualifications.

M-480, Multi-Agency Coordinating (MAC) Group
Change course prerequisites.

S-130, Firefighter Training

Insert updated course description for 2003 course.

S-134, LCES
Change course hours and course prerequisites.

S-190, Introduction to Wildland Fire Behavior
Correct instructor qualifications.

S-203, Introduction to Incident Information
Correct instructor qualifications.

S-271, Interagency Helicopter Training
Correct instructor qualifications.

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #10

Effective Date: May 7, 2004

The Field Manager's Course Guide has been amended as follows:

Guide Introduction
Insert NWCG position on "Course Length for NWCG Courses" in the front of the Guide.

S-133, Look Up, Look Down, Look Around
Insert note regarding the deletion of the Fireline Safety Reference.

S-200, Initial Attack Incident Commander
Change course prerequisites to single resource boss.

S-212, Wildland Fire Chain Saws
Insert updated course description for 2004 course.

S-231, Engine Boss (Single Resource)
Insert updated course description for 2004 course.

S-336, Tactical Decision Making in Wildland Fire
Insert updated course description for 2004 course.

S-492,Long Term Fire Risk Assessment
Insert updated course description.

S-493, FARSITE, Fire Area Simulator
Insert updated course description.

FIELD MANAGER'S COURSE GUIDE
ERRATA SHEET #11

Effective Date: October 21, 2004

The Field Manager's Course Guide has been amended as follows:

- Reinsert page numbers throughout Guide.
- Change all references of "firefighter/squad boss" to "firefighter type 1" throughout Guide.
- Change all references of "NARTC"/"National Advanced Resource Technology Center" to
- "NAFRI"/"National Advanced Fire and Resource Institute" throughout Guide.
- Delete current Instructor Prerequisites for all courses and add new information agreed to by the TWT. The statement "Also see NWCG Instructor Qualifications at the beginning of this Guide" will be included after the specific course instructor qualifications.

Guide Introduction
Replace "NWCG INSTRUCTOR LEVELS AND REQUIREMENTS" with the updated text approved by NWCG in May 2004.

L-180, Human Factors on the Fireline
Minor edit to course description.

L-380, Fireline Leadership
Minor edits to course description and objective.

L-381, Incident Leadership
Insert the course description.

S-211, Portable Pumps and Water Use

Insert the updated course description.

S-230, Crew Boss (Single Resource)
Insert the updated course description.

S-234, Ignition Operations
Add note regarding edits made to the case study.

S-290, Intermediate Wildland Fire Behavior, CD-ROM
Insert the course description for CD-ROM.

S-357, Food Unit Leader
Add note regarding using new contract language and adjusting the course.

S-381 (S-301), Leadership and Organizational Development
Delete from the FMCG.