

*A Publication of the*  
**National Wildfire  
Coordinating Group**



# **Field Manager's Course Guide**

**PMS 901-1**

**November 2008**

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## **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 supersedes any other versions of the Guide. It is to be used in conjunction with the "Wildland Fire Qualification 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 (PMS). 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.

All course instructors and coordinators are encouraged to utilize the most current versions of NWCG courses (certification dates listed on each course page). Old versions may only be taught for six months after a new version is available for order through the Publications Management System.

## **SUBMITTING COMMENTS/RECOMMENDATIONS**

Please submit comments/recommendations regarding this Guide by email through your Geographic Area Training Representative or Training Working Team Representative. They in turn should submit them to the NWCG Development Unit Leader at NIFC. Comments/recommendations will be incorporated on a quarterly basis.

## **COURSES REFERENCED IN THIS GUIDE**

This document contains NWCG courses referenced throughout the PMS 310-1. Additional information on courses not associated with the PMS 310-1 can be found at the NAFRI website or through the sponsoring working teams or geographic areas.

## **NWCG TRAINING WORKING TEAM POSITION ON COURSE PRESENTATION AND MATERIALS**

The recommended hours listed in the FMCG 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 may vary slightly due to factors such as number of students, types and complexity of course activities, and the addition of local materials.

NWCG is aware that there have been courses presented in an abbreviated form, varying greatly from the recommended course hours. Instructors and students are cautioned that in order to be recognized as an NWCG certified course, certain guidelines must be followed:

- 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](mailto: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.

- Unit times represent the allotted time to teach the unit and complete the exercises, simulations, and tests.
- Recommended course hours are given to help the students and the course coordinator with planning travel, room reservations, and facilities usage. This represents the time estimated to present the NWCG provided materials including time for breaks, lunch periods, set-up for field exercises or simulations, etc.
- Actual times for both the unit and the course may vary based on number of students, types and complexity of course activities, and the addition of local instructional materials.

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.

## COURSE PREREQUISITES

The intent of course prerequisites is to ensure a common standard of knowledge and experience is held by all students. If agency policy or an unusual unit need requires an employee to attend a course for which they do not meet the course prerequisites this will be documented in the remarks section of the nomination and the nomination will be submitted through the normal process. The nomination will be included with the other course nominations during the prioritization process.

## NWCG COURSE EQUIVALENCY GUIDELINES

An equivalent course is determined by agency identified “evaluators” to be equal to a NWCG approved course.

Awarding course equivalency is an agency specific responsibility. Only agencies have the authority to certify their employees meet NWCG training requirements when alternative course offerings are used. Individual agencies will set guidelines for equivalency determination and may grant credit for courses they deem equivalent.

Courses being reviewed for equivalency must have:

- A reason the alternative course was used or developed;
- A benefit gained through awarding course equivalency such as:
  - cost savings
  - broadened target audience
  - enhanced learning experience for students

The agency seeking course equivalency should conduct a detailed analysis and document their findings according to agency policy.

When conducting this analysis, the following guidelines apply:

- All learning and performance objectives of the NWCG course are met or exceeded in the equivalent course;
- The same minimum instructor qualifications required for the NWCG course apply to the equivalent course;
- Course prerequisites have not been altered;
- The equivalent course does not conflict or contradict established NWCG guidelines or standards;
- The equivalent course is not numbered using the NWCG course numbering system.

A new analysis must be completed when the equivalent NWCG course is revised to ensure course equivalency continues.

## NWCG INTERCHANGEABLE COURSE GUIDELINES

Courses that have been developed jointly with an interagency all-hazard subject matter expert group and contain the same learning objectives and content may be deemed “interchangeable” by the NWCG. Interchangeable courses do not require equivalency determination by each agency and may have multiple course codes/numbers. Interchangeable courses will be incorporated into IQCS/IQS and credit will be given for the NWCG course.

## INSTRUCTOR CERTIFICATION

The following standards have been developed to help improve the quality and availability of qualified instructors. Separate standards have been developed for:

- Instructors of 100 and 200 level courses (See below),
- Distance Learning/Self-study Course Administrator Certification (See below),
- Adjunct Instructors of 300-600 level courses (See attached table),
- Unit Instructors of 300-600 level courses (See attached table) and,
- Lead Instructors of 300-600 level courses (See attached table).

**Instructors of 100-200 level NWCG courses:** In order to serve as an Instructor (Unit or Lead) you must meet one of the following criteria:

- Qualified and current (minus Work Capacity Test and Annual Fireline Safety Refresher) in any required positions identified as an instructor prerequisite for the course description in NWCG's Field Manager's Course Guide.

**OR**

- Written approval by Course Coordinator to instruct a specific unit or technical portions of a unit or units.

100 level courses: No additional training requirements beyond those set forth in the Field Managers Course Guide for each particular course.

200 level courses: Lead Instructors are required to meet the "Unit Instructor - Teaching Skills" as well as the "Lead Instructor – Teaching Skills" listed in the attached Instructor Criteria Table.

Unit Instructors should have 32 hours of instructor training (Facilitative Instructor, M-410; equivalent course; Degree in Education; or, current or previous Education credential).

**Distance Learning Course Administrators of NWCG distance learning or self study 100-400 level courses:** In order to serve as an Instructor you must meet the following criteria:

A course administrator is a person responsible for guiding a student through a self-paced course (computer based or paper based). Course administrators must meet qualifications set forth in the Field Managers Course Guide for each particular course; have general administrative knowledge of testing, certificates of completion and qualification system of record for the agency or agencies involved; and must be available in person, by phone, or by email to assist the student during the completion of the course.

### **Decertification of Instructors:**

Instructor Certification is a privilege, not a right. Whenever a questionable situation arises, the case will be reviewed by the appropriate course or training center coordinator (Reviewing Official). If it is determined that the individual instructor has performed poorly during one or more courses, the Reviewing Official can recommend to the official that certified the individual

as an instructor (Certifying Official) that their certification be withdrawn for a specific course, group of courses or all courses. If the individual is a contractor, performance below those standards identified in a contract may be cause for nonpayment or voiding the contract and the Contracting Officer shall be consulted and be involved in the final disposition. Decertification shall remain in place until the problem has been remedied. Decertification should include removal from active instructor list(s) in IQCS.

**Recertification of Instructors:**

The Certifying Official shall determine, in consultation with the Reviewing Official, the requirements to regain certification. Recertification is the responsibility of the Certifying Official or body managing the instructor's certification.

**Instructor Criteria for 300-600 Level NWCG Courses**  
*Certification based on ability to meet one standard in each Instructor Criteria.*

<b>Instructor Criteria</b>				
<b>Instructor Level</b>	<b>Teaching Skill</b>	<b>Course Content Knowledge</b>	<b>Practical Application</b>	<b>Ethics Criteria</b>
<b>Adjunct Instructor</b> (per FMCG)	None	Known or demonstrated expertise on one or more subjects associated with the course	Subject Matter Expert on course related materials <b>OR</b> Demonstrated course related technical expertise <b>OR</b> Published subject related article or paper in previous 5 years	As required by Agency
<b>Unit Instructor</b>	Accepted formal instructional training (i.e., State fire training certificate, college teacher's credential, college education courses, Facilitative Instructor (M-410) course, etc.) <b>OR</b> 40 hours of successful fire service instruction	Successful completion or audit of course being taught <b>OR</b> Successfully assisted in instructing the course <b>OR</b> Successfully completed Train-the-Trainer course (if applicable) and Successfully taught the course in the past 5 years as determined by the Course Coordinator	Qualified and current ( <i>minus Work Capacity Test (WCT) and Annual Fireline Safety Refresher</i> ) as required in the course page of NWCG Field Manager's Course Guide (FMCG) <b>OR</b> Qualified and current ( <i>minus WCT and Refresher</i> ) one level above that identified in the course outline of FMCG <b>OR</b> Qualified as a type 1 or 2 level Command or General Staff position in the same functional area as the course being presented <b>OR</b> Meets the NIMS Training Plan instructor criteria for specified course <b>NOTE:</b> Written approval of an NWCG member Regional or State Fire Director can be substituted for currency requirement above.	As required by Agency
<b>Lead Instructor</b>	<b>Same as Unit Instructor</b> <b>AND</b> 40 additional hours (80 total hrs) of successful fire service instruction	<b>Same as Unit Instructor</b>	<b>Same as Unit Instructor</b>	As required by Agency



## INSTRUCTOR DEFINITIONS

A “qualified instructor” means the instructor meets the position currency requirements as described in the Wildland Fire Qualifications 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. See previous table and refer to courses within this Guide for specific instructor requirements.

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

### Instructor Levels

- Lead Instructors (300-600 level courses) - Oversee presentation of the entire course and assure course objectives are met in accordance with those criteria listed in the most recent Field Manager’s Course Guide and/or Course Introduction. The Lead Instructor must meet the certification criteria listed in the table above. They should 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 are responsible for successful presentations of one or more units and should 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.

## 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 = \

Mid-level 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.

Current exceptions to the established course numbering protocol include the following courses:

- L-480, Incident Management Team (IMT) Leadership  
The NWCG Leadership Committee has oversight and maintenance responsibility for this course. NAFRI is the custodian of the course package. The delivery process used to meet this training recommendation will need to be determined by the hosting agency.
- S-492, Long Term Fire Risk Assessment and S-493, FARSITE Fire Area Simulator  
The Fire Environment Working Team has oversight and maintenance responsibility for these two courses. They are coordinated by the Wildland Fire Training Center in McClellan, California and are taught by national cadres/steering committees.
- M-581, Fire Program Management  
NAFRI has oversight and maintenance responsibility for this course, but course schedules and instructors are determined by geographic area training coordinators.

## **TESTING STANDARDS**

The standard for passing an NWCG course is 70 percent. 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 percent 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 (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.

## **COURSE ADMINISTRATOR**

A course administrator is a person responsible for guiding a student through a self-paced course (computer based or paper based). Course administrators must meet qualifications set forth in the Field Managers Course Guide for each particular course; have general administrative knowledge of testing, certificates of completion and qualification system of record for the agency or agencies involved; and must be available in person, by phone, or by email to assist the student during the completion of the course.

## **USE OF NWCG CERTIFICATES**

Students successfully completing a course sponsored by a NWCG member agency will receive a NWCG certificate (for a list of member agencies see NWCG web site at [www.nwcg.gov](http://www.nwcg.gov)). This includes students who did not meet the course prerequisites but were allowed in the course due to agency specific policy or unusual home unit needs.

Educational institutions, contractor associations, and non-member agencies may issue the NWCG course certificate if their lead instructor is an authorized representative of an NWCG member agency OR they have a formal agreement established with a NWCG member agency. All students are encouraged to keep their course certificates as proof of attendance.

## INDEX OF COURSES DESCRIBED IN THE FMCG

### **“D” (Dispatch) Courses**

- D-110 Expanded Dispatch Recorder
- D-310 Expanded Dispatch Support Dispatcher
- D-311 Initial Attack Dispatcher
- D-510 Expanded Dispatch Supervisory Dispatcher

### **“FI” (Fire Investigation) Courses**

- FI-110 Wildland Fire Observations & Origin Scene Protection for First Responders
- FI-210 Wildland Fire Origin and Cause Determination

### **“I” (Incident Command System) Courses**

- ICS-100 (I-100, IS100, Q462) Introduction to ICS
- ICS-100 (I-100, IS100) Introduction to ICS (Spanish Version)
- ICS-200 (I-200, IS200, Q463) Basic ICS: ICS for Single Resources and Initial Action Incidents
- ICS-300 (I-300, G300, H465) Intermediate ICS: ICS for Supervisors and Expanding Incidents
- ICS-400 (I-400, G400, H467) Advanced ICS: ICS for Command and General Staff and Complex Incidents
- ICS-402 (I-402, G402) ICS Overview for Executives/Senior Officials

### **“L” Leadership Courses**

- L-180 Human Factors in the Wildland Fire Service
- L-280 Followership to Leadership
- L-380 Fireline Leadership
- L-381 Incident Leadership
- L-480 Incident Management Team (IMT) Leadership

### **“M” Management Courses**

- M-410 Facilitative Instructor
- M-480 Multi-Agency Coordinating (MAC) Group
- M-580 Fire in Ecosystem Management
- M-581 Fire Program Management

### **“P” (Prevention) Courses**

- P-101 Fire Prevention Education 1
- P-301 Wildland Fire Prevention Planning
- P-310 Fire Prevention Education Team Member
- P-410 Fire Prevention Education Team Leader

### **“RT” (Refresher) Courses**

- RT-130 Annual Fireline Safety Refresher Training
- RT-273 Single Engine Air Tanker Manager Workshop
- RT-340 HRSP Refresher Workshop
- RT-372 Helicopter Manager Workshop

### **“RX” (Prescribed Fire) Courses**

- RX-300 Prescribed Fire Burn Boss
- RX-310 Introduction to Fire Effects (previously RX-340)
- RX-410 Smoke Management Techniques
- RX-510 Applied Fire Effects

### **“S” (Suppression Skills) Courses**

- S-110 Basic Wildland Fire Orientation
- S-130 Firefighter Training
- S-130 Firefighter Training (Spanish Version)
- S-130 Firefighter Training (On-Line Version)
- S-130 Firefighter Training (Self-Paced CD Version)
- S-131 Firefighter Type 1
- S-133 Look Up, Look Down, Look Around
- S-134 LCES
- S-190 Introduction to Wildland Fire Behavior
- S-190 Introduction to Wildland Fire Behavior (Spanish Version)
- S-190 Introduction to Wildland Fire Behavior (On-Line Version)
- S-190 Intro to Wildland Fire Behavior (Self-Paced CD Version)
  
- S-200 Initial Attack Incident Commander
- S-203 Introduction to Incident Information
- S-211 Portable Pumps and Water Use
- S-212 Wildland Fire Chain Saws
- S-215 Fire Operations in the Wildland/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” (Suppression Skills) Courses, continued**

S-261	Applied Interagency Incident Business Management
S-270	Basic Air Operations
S-271	Helicopter Crewmember
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	Tactical Decision Making in Wildland Fire
S-339	Division/Group Supervisor
S-340	Human Resource Specialist
S-341	GIS Specialist for Incident Management
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-360	Finance/Administration Unit Leader
S-371	Helibase Manager
S-372	Helicopter Management
S-375	Air Support Group Supervisor
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-445	Incident Training Specialist
S-450	Logistics Section Chief
S-460	Finance/Administration Section Chief
S-470	Air Operations Branch Director
S-481	Incident Business Advisor
S-490	Advanced Fire Behavior Calculations
S-491	Intermediate National Fire Danger Rating System
S-492	Long Term Fire Risk Assessment
S-493	FARSITE - Fire Area Simulator

**“S” (Suppression Skills) Courses, continued**

- S-520      Advanced Incident Management
- S-580      Advanced Fire Use Applications
- S-590      Advanced Fire Behavior Interpretation
  
- S-620      Area Command

## 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. After the individual has become qualified, the book can be used 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.

### **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 size-up; 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; 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.

### Course Description

The course provides students with the skills to perform as an expanded dispatch recorder (EDRC). Topics include: the structure of the expanded dispatch organization, description of resource ordering and statusing process, and the importance of the EDRC having effective communication skills and working relationships. The final is a 4-hour, scenario-based exercise where students will complete resource order forms based on timed inputs and supplemental handouts. There is a Reference Guide at the end of Unit 3 that contains reference documents for students to use during the course and when on assignment. The course gives a very general overview of Resource Ordering and Statusing System (ROSS) – it does not teach students how to use ROSS.

### Objectives

- Describe the purpose and structure of expanded dispatch.
- Describe the role and responsibilities of the expanded dispatch recorder.
- Demonstrate how to mobilize and demobilize incident resources using
- Established dispatch ordering channels and resource order forms.
- Describe how to communicate effectively and foster positive interpersonal working relationships.

### Target Group

Individuals who have 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 expanded dispatch support dispatcher (EDSD).  
Unit instructors must be qualified expanded dispatch recorders (EDRC).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Local

### Course Description

This course is designed to prepare the student to accomplish the duties and responsibilities of an Expanded Dispatch Support Dispatcher (EDSD). Through hands on exercises that utilize the Resource Ordering and Status System (ROSS) the student 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.

### Objectives

- Plan, organize, and implement a functional area to meet the needs of the incident.
- Demonstrate the ability to interact with other functional areas in an incident support organization.
- Follow set established policies and procedures, utilize resource orders and supplemental forms to mobilize, reassign, and demobilize resources.
- Demonstrate the ability to respond to changing priorities and situations within a functional area.

### Target Group

Personnel desiring to be qualified as expanded dispatch support dispatcher (EDSD)

### Minimum Instructor Qualifications

Lead instructor must be a qualified initial attack dispatcher (IADP) or expanded dispatch supervisory dispatcher (EDSP).

Unit instructors must be qualified as expanded dispatch support dispatcher (EDSD).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as a dispatch recorder

Satisfactory pass pre-course test

### Course Level

Regional, state or area

### Course Description

This course is designed to provide a consistent knowledge and skill base for the initial attack dispatcher (IADP). The concepts taught in this course will help an IADP perform at an acceptable level on a national basis without regard to geographic boundaries.

The format of this course is a mix of lecture/discussion, group exercises, and simulation. Students will have the opportunity to practice new skills in the exercise and simulation portions of the class.

### Objectives

At the completion of the course, the student will have the necessary information to:

- Dispatch multiple resources to an incident using standard procedures.
- Identify the common roles of an IADP in the initial attack dispatch environment.
- Practice multitasking and prioritizing actions in a realistic situation.

### Target Group

Initial attack dispatchers desiring to be available for national mobilization (across geographic area boundaries).

### Minimum Instructor Qualifications

The lead instructor must be either an assistant center manager with initial attack experience or a supervisory dispatcher (EDSP) with initial attack experience.

Unit instructors must be qualified initial attack dispatchers (IADP).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Successful completion of Basic Firefighter (S-130) and Introduction to Wildland Fire Behavior (S-190).

Qualified as a dispatch recorder (EDRC).

### Course Level

Regional, state, or area

## **D-510, EXPANDED DISPATCH SUPERVISORY DISPATCHER**

NAFRI (currently offered every other year on the even years)

72 hrs

### Course Description

D-510, Expanded Dispatch Supervisory Dispatcher, is designed to train individuals in the function and responsibilities of a Supervisory Dispatcher within an Incident Support Organization. Students selected for this course must be capable of performing as an Expanded Dispatch Support Dispatcher in all functional areas of an expanded dispatch organization. The course will provide trainees with a working knowledge of the necessary management skills and operational procedures for successful performance as a Supervisory Dispatcher.

The course is intended to be an interactive experience, requiring the students to interact with the materials, the faculty, and fellow students. The course consists of a 40-hour pre-course test, discussions, exercises and final exam. It is designed to take 32 hours to present. Class size is limited to 40 students.

### Objectives

Given an incident situation, a briefing from the appropriate agency management entity, and incident objectives, the student will be able to:

- Develop and manage an effective organization to meet present and future needs of an incident.
- Utilize available information to establish expanded dispatch priorities in consultation with the appropriate agency management entity.

### Target Group

This course is designed to train individuals who will be called upon to establish and supervise an expanded dispatch organization and who have met prerequisite training and experience at the Expanded Dispatch Support Dispatcher level.

### Minimum Instructor Qualifications

This course is managed by a National Steering Committee.

### Course Prerequisites

Qualified as expanded dispatch support dispatcher. Recommend experience in all functional areas (overhead, crews, equipment, aircraft and supply).

Successfully complete a pre-course pass/fail test that takes approximately 40 hours to complete. The pre-course test will be available on the NAFRI web site.

Success in D-510 will depend on the student's ability in leadership and organizational knowledge as contained in the L-380 Fireline Leadership, I-300 Intermediate ICS, D-310 Expanded Dispatch Support Dispatcher, and agency-specific supervision courses. D-312, Aircraft Dispatcher is highly recommended.

Course Level

National

For current course information, refer to the NAFRI web site: <http://www.nafri.gov>

## **FI-110, WILDLAND FIRE OBSERVATIONS AND ORIGIN SCENE PROTECTION FOR FIRST RESPONDERS**

2005

6 hrs

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### Course Description

The primary emphasis of this course is to teach sound wildland fire observations and origin scene protection practices that enable first responders to a wildland fire scene to perform proper origin scene protection procedures. The course is presented by short lectures, electronic presentations, exercises, and class discussion.

### Objectives

- List various causes of wildland fires and their cause indicators.
- Perform the basic procedures and techniques needed to provide witness/observer information to fire investigators.
- Identify and protect wildland fire origin areas.

### Target Group

Recommended training for all first responders, including single resource bosses, law enforcement officers, prevention technicians, and field resource personnel.

### Minimum Instructor Qualifications

Cadre must have experience in wildland fire investigation.  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Local



### Course Description

The primary purpose of this course is to provide a consistent knowledge and skill base for the Wildland Fire Origin and Cause Determination Investigator (INVF). The concepts taught in this course will help an INVF perform at an acceptable level on a national basis without regard to geographic boundaries. The course is presented by lectures, electronic presentations, field exercises, and class discussion.

### Objectives

- Identify the elements of the NWCG Fire Investigation Certification program.
- Perform the common roles and responsibilities of an INVF involved in an initial investigation environment.
- Practice Wildland fire investigation methods, evidence collection and documentation processes in a realistic environment.
- Identify the laws, regulations and related court procedures associated with administrative, civil and criminal litigation processes.

### Target Group

Recommended training for experienced fire personnel and law enforcement officers with wildland fire investigation responsibilities.

### Minimum Instructor Qualifications

Lead and unit instructors must be qualified wildland fire origin and cause determination investigators (INVF) and should have actual hands on experience to teach participants the duties of this position without regard for the type of incident.

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

It is recommended that students have law enforcement or firefighter experience. There is an interactive self paced pre-course work to familiarize students with the background information necessary to successfully complete the course.

### Course Level

Local

### Course Description

This self-paced course is an introduction to the Incident Command System (ICS). Topics include: introduction to ICS, basic features of ICS, incident commander and command staff functions, general staff functions, facilities, and common responsibilities. It provides a foundation upon which to enable entry-level personnel to function appropriately in the performance of incident-related duties.

This course is offered as an online and computer based self-study course. Upon completion of this course with successful completion of the final test, a certificate of completion is available to be printed from the course. To access the online version of this course go to:

<http://training.nwcg.gov/classes/i100.htm>

This course was developed in conjunction with the US Fire Administration (Q462) and the Emergency Management Institute (IS100). These courses are built on the same lesson objectives and content as the NWCG I-100 course and are interchangeable; they are all National Incident Management System (NIMS) compliant.

### Objective

- Orientation to the Incident Command System.

### 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

## **ICS-100 (I-100, IS100), INTRODUCTION TO ICS (SPANISH VERSION)**

Emergency Management Institute Course

2-4 hrs

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### Course Description

A Spanish version of the NWCG I-100, Introduction to ICS course is available for download through the Emergency Management Institute at <http://training.fema.gov/EMIWeb/IS/is100.asp>. This course is based on the same content as the NWCG 2006 English version of I-100 available through the Publications Management System. See previous page for course information.

## **ICS-200 (I-200, IS200, Q463), BASIC ICS: ICS for Single Resources and Initial Action Incidents**

2006

12-16 hrs

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### Course Description

This course introduces students to the principles of the Incident Command System (ICS) associated with incident-related performance. Topics include: leadership and management, delegation of authority and management by objectives, functional areas and positions, briefings, organizational flexibility, transitions and transfers.

This course was developed in conjunction with the US Fire Administration (Q-463) and the Emergency Management Institute (IS-200). These courses are built on the same lesson objectives and content as the NWCG I-200 course and are interchangeable; they are all National Incident Management System (NIMS) compliant.

### Objectives

- Describe an Incident Command System (ICS) organization appropriate to the complexity of an incident or event.
- Use the ICS to manage an incident or event.

### Target Group

First line supervisors, single resource bosses, lead dispatchers, field supervisors, company officers, and entry level positions (trainees) on incident management teams.

### Minimum Instructor Qualifications

Lead instructor must have successfully completed I-300 and must have specialized knowledge and experience appropriate for the audience. Should be qualified at the initial attack incident commander or single resource boss level.

Unit instructors must have successfully completed I-200.

### Course Prerequisites

None

### Course Level

Local

## **ICS-300 (I-300, G300, H465), INTERMEDIATE ICS: ICS for Supervisors and Expanding Incidents**

2007

18-24 hrs

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### Course Description

This course provides description and detail of the Incident Command System (ICS) organization and operations in supervisory roles on expanding or Type 3 incidents. Topics include: ICS fundamentals review, incident/event assessment and agency guidance in establishing incident objectives, Unified Command, incident resource management, planning process, demobilization, transfer of command, and close out.

This course was developed in conjunction with the US Fire Administration (H465) and the Emergency Management Institute (G300). These courses are built on the same lesson objectives and content as the NWCG I-300 course and are interchangeable; they are all National Incident Management System (NIMS) compliant.

### Objectives

- Describe how the National Incident Management System (NIMS) Command and Management component supports the management of expanding incidents.
- Describe the incident/event management process for supervisors and expanding incidents as prescribed by the Incident Command System (ICS).
- Implement the incident management process on a simulated Type 3 incident.
- Develop an Incident Action Plan (IAP) for a simulated incident.

### Target Group

Type 3 Incident Management Team (IMT) candidates, incident middle management (Unit Leaders, Division/Group Supervisors, and Strike Team Leaders), elected officials, line officers, lead dispatchers, Multi-agency Coordination (MAC) members, director heads (public works director, fire chief, sheriff), emergency managers, agency representatives.

### Minimum Instructor Qualifications

Lead instructor must have successfully completed I-400.

Unit instructors must have successfully completed I-300.

All instructors must have served as an incident commander (type 3 or above) or in a command and general staff position on an incident that went beyond one operational period or required a written incident action plan – OR – must have specialized knowledge and experience appropriate for the audience.

Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

I-200, Basic: ICS for Single Resources and Initial Action Incidents

Course Level

Regional, state, or area

**ICS-400 (I-400, G400, H467), ADVANCED ICS: ICS for Command and General Staff and Complex Incidents**  
2006 16 hrs

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Course Description

This course directs the student towards an operational understanding of large single-agency and complex multi-agency/multi-jurisdictional incident responses. Topics include: Fundamentals review for command and general staff, major and/or complex incident/event management, area command, and multi-agency coordination.

This course was developed in conjunction with the US Fire Administration (H467) and the Emergency Management Institute (G400). These courses are built on the same lesson objectives and content as the NWCG I-400 course and are interchangeable; they are all National Incident Management System (NIMS) compliant.

Objectives

- Identify the incident management process of command and general staff functions during complex incidents as prescribed by the Incident Command System.
- Describe implementation of the incident management process on a complex incident.
- Describe the management and coordination process during multiple incidents.

Target Group

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

Minimum Instructor Qualifications

All instructors must have successfully completed I-400, and must have served as an incident commander (type 3 or above) or in a command and general staff position on an incident that went beyond one operational period or required a written incident action plan.

Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

I-300, Intermediate ICS: ICS for Supervisors and Expanding Incidents

Course Level

Regional, state, or area

**ICS-402 (I-402, G402), ICS OVERVIEW FOR EXECUTIVES/SENIOR OFFICIALS**  
Emergency Management Institute Course 2 hrs

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Course Description

The NWCG I-402 ICS for Executives course (1994 version) has been removed from the Publications Management System. The Emergency Management Institute has developed a course (G402) to replace the I-402 course and is available for download at <http://training.fema.gov/EMIWeb/pub/g402.asp>

This course is intended to be delivered as instructor-led classroom training. This is not a self-paced, self-study or computer based training course.

This course covers the Fundamentals of ICS, ICS Organization & Features, Unified & Area Command, Coordination & Incident Management Assessment, and ICS Preparedness.

Target Group

Elected officials, city/county managers, executives, senior officials and agency administrators

Minimum Instructor Qualifications

Lead and Unit instructors must have completed I-100 and I-200, and have experience working in an ICS environment.

Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

None

Course Level

Varies



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 is 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. Topics include: situation awareness, basic communication responsibilities, attitude and stress barriers, decision-making process, and 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 qualified firefighters type 1 (FFT1).  
Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

None

Course Level

Local

### 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). Topics include: leadership values and principles, transition challenges for new leaders, situational leadership, team cohesion factors, ethical decision-making, and after action review techniques.

### 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 have a supervisory qualification in any ICS function (operations or support).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Experience on incident assignments in operations or support functions.

Human Factors on the Fireline (L-180).

Completion of pre-course work assignment.

### Course Level

Local

Course Description

This is a leadership development training recommendation for unit 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 course material should address these topics:

- 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](http://www.fireleadership.gov/courses/L_380/criteria.html)

Objective

- The intent of this training recommendation is to provide unit 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 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

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

### Course Level

Regional, state, or area

### 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](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 (DIVS) or Incident Commander Type 3 (ICT3).

### 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as any strike team leader, task force leader (TFLD), or incident commander type 4 (ICT4).

**OR**

Successful completion of Followership to Leadership (L-280).

Completion of pre-course work assignment.

### Course Level

Regional, state, or area

## **L-480, INCIDENT MANAGEMENT TEAM (IMT) LEADERSHIP**

Revised Annually

32 hrs

### Course Description

L-480 will provide future Incident Management Team leaders (Command and General Staff) with the leadership tools to provide strategic direction and influence others to achieve team goals. The course is designed to develop personal leadership skills and command presence in order to increase effectiveness in the dynamic incident management setting.

THIS IS NOT A COURSE PACKAGE AVAILABLE FROM THE NWCG PUBLICATIONS MANAGEMENT SYSTEM.

The National Advanced Fire & Resource Institute (NAFRI) is the custodian for the L-480 course package. However, the delivery process used to meet this training recommendation will need to be determined by the hosting agency. Specific course information can be obtained from NAFRI at (520) 799-8787.

### Objectives

- Introduction of successful leadership (Day 1)
- Demonstrate communications skills for leaders (Day 2)
- Understand command presence for a leader (Day 2)
- Understand situational awareness, vision and change (Day 3)
- Understand leadership skills within a team environment (Day 4)
- Understand recognition and reward (Day 5)
- Learn mentorship, coaching and delegation (Day 5)

### Target Group

Current Unit Leaders and IC Type 3 personnel who desire to become qualified as Type 2 Command Staff, General Staff, and Incident Commanders.

### Minimum Instructor and Coach Qualifications

See the L-480 Instructor Criteria.

[http://www.nafri.gov/courses/l480/L480\\_Documents/L480\\_Instructor\\_Criteria.pdf](http://www.nafri.gov/courses/l480/L480_Documents/L480_Instructor_Criteria.pdf)

See the coach section of the Course Delivery Plan.

[http://www.nafri.gov/courses/l480/L480\\_Documents/L480\\_Delivery\\_Plan.pdf](http://www.nafri.gov/courses/l480/L480_Documents/L480_Delivery_Plan.pdf)

Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Successful completion of L-380, Fireline Leadership or currently qualified as Type 1 or 2 Command and General Staff.

Successful completion of the pre-course work.

Course Level

Geographic Area/National



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 Instructor Certification at the beginning of this Guide.

Course Prerequisites

None

Course Level

Regional, state, or area

### 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

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

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Successful completion of pre-course work.

### Course Level

Regional, state, or area

### Course Description

Through lectures, case studies, and interaction between students and faculty, the course:

- Explores the role of fire and fire management in ecosystem management.
- Examines social, political, legal, economic, and environmental factors critical to fire and fuels treatment for ecosystem management.
- Presents real-world examples of fire management applications in ecosystem management.
- Provides the students with the opportunity to obtain tools, ideas, concepts, techniques and methodologies to address fire and ecosystem management issues at their home unit.

Case studies from North America are presented to expose students to a variety of ongoing programs attempting to integrate the historical, ecological and socioeconomic aspects of fire management into ecosystem management.

The course does not provide a "cookbook" for ecosystem management; rather this course provides concepts, and ecological – social considerations to assist the student with developing specific fire management programs. Local fire effects information and monitoring details are provided in other courses.

### Objectives

- Describe the significance and role of fire in ecosystem management.
- Describe the complexity of integrating fire and fuels treatments into ecosystem management by considering social, political, legal, economic, and environmental factors.
- Identify concepts, techniques, reference resources, and examples for ecosystem management throughout a range of ecosystems.
- Use information presented in this course to communicate and develop understanding and support of fire and ecosystem management programs at the intra- and interagency levels and to collaborate with the public in changing political/social arenas.

### Target Group

- Agency administrators, particularly without fire management background. Senior Executives, Congressional Staff and Tribal leaders.
- Fire staff, such as prescribed fire specialists, burn bosses, fuel managers, assistant FMO's, wildland fire use managers, with limited natural/cultural resource and/or ecology education/backgrounds.
- Individuals directly involved with planning, implementation, and monitoring of fire and ecosystem management programs, i.e., natural/cultural resource management specialists, endangered species biologists, compliance specialists (NEPA, SHPO), and land and fire management planners, who do not have comprehensive fire management or fire ecology backgrounds.

- Individuals at entry level directly involved with fire management or individuals new to the wildland fire management program who do not have a comprehensive fire management background.

#### Minimum Instructor Qualifications

This course is managed by a National Steering Committee.

#### Course Prerequisites

None

#### Course Level

National

For current course information, refer to the NAFRI web site: <http://www.nafri.gov>

Course Description

This course is designed to meet the needs of current and future mid-level Fire Program Managers. It is intended to aid in the application of fire management principles in sound decision making, use of state-of-the-art tools and methods in fire management programs, and recognition of the necessity for personal accountability required in fire program management.

Objectives

Upon successfully completing M-581, Fire Program Management, the student will be able to identify the principles, policies and procedures to effectively and safely lead, plan, and implement a Fire Management Program.

Target Group

Current or future Fire Program Managers who have direct responsibility to plan, organize, budget, manage and evaluate Fire Management Programs.

Minimum Instructor Qualifications

Nationally recognized subject matter experts and practitioners serve as instructors in this course. Course schedules and instructors are determined by geographic area training coordinators.

Course Prerequisites

Course pre-work

Course Level

National

For current course information, refer to the NAFRI web site: <http://www.nafri.gov>

### Course Description

This course was developed as part of a multi-course national curriculum covering wildfire prevention and is designed to enhance basic skill and knowledge of personnel assigned responsibilities for wildfire prevention. It was significantly revised and updated in 2007.

### Objectives

To develop the skills and knowledge necessary to perform the field applications of the basic fundamentals of wildland fire prevention.

- Wildland Fire Prevention Administration
- Wildland Fire Prevention Education
- Wildland Fire Prevention Engineering
- Wildland Fire Prevention Enforcement
- Summary and Testing

### Target Group

This course is designed to provide a basic introduction of fire prevention principles and activities for fire prevention specialists, fire managers, public information officers and others who have wildland fire prevention, education, or mitigation responsibilities.

### Minimum Instructor Qualifications

Instructors must have a wide range of wildfire prevention experience to facilitate group and class interaction and discussion.

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Local

### 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

- 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Introduction to Wildland Fire Prevention (P-101).

### Course Level

Local

Course Description

This intermediate level course was developed as part of a multi-course national curriculum covering wildland fire prevention and is designed to enhance the skills and knowledge needed for personnel to participate on a National Fire Prevention and Education Team (NFPET).

Objectives

To develop the skills and knowledge necessary to perform, in the field, as a member of a NFPET.

- Organization
- Mobilization
- Components of a NFPET assignment
- Bringing “it” all together
- Make “it” happen

Target Group

This course is designed to provide intermediate level fire prevention principles and activities and provide references for personnel wanting to serve as a member of a NFPET. It is also useful for fire prevention specialists, fire managers, public information officers and others who have wildland fire prevention, education, or mitigation responsibilities or who may host a NFPET.

Minimum Instructor Qualifications

All instructors must have a wide range of wildfire prevention experience.

Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

None

Course Level

Regional, state, or area



Course Description

This mid-level course was developed as part of a multi-course national curriculum covering wildland fire prevention and is designed to enhance the skills and knowledge needed for personnel to lead a National Fire Prevention and Education Team (NFPET).

Objectives

To develop the skills and knowledge necessary to perform as the field leader of a NFPET.

- Team Organization
- Developing National Fire Prevention and Education Teams
- NFPET Qualifications and Certifications
- Program Management
- NFPET Activities
- NFPET Closeout

Target Group

This course is designed to provide mid-level fire prevention principles and activities and provide references for personnel wanting to serve as a leader of a NFPET. It is also useful for fire prevention specialists, who serve as team members (PETM) and desire to become team leader trainees, eventually becoming qualified as a team leader (PETL).

Minimum Instructor Qualifications

Lead and Unit instructors must be qualified as fire prevention education team leader (PETL) Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as a prevention education team member (PETM)

Course Level

Regional, state or area

## **RT-130, ANNUAL FIRELINE SAFETY REFRESHER TRAINING**

Annual

Length is determined by Agency Policy

### Course Description

Annual Fireline Safety Refresher Training should be designed to provide up to date fireline safety information to employees holding Incident Command System qualifications requiring this training per the 2006, PMS 310-1, Wildland Fire Qualification System Guide. Individual sessions of Annual Fireline Safety Refresher Training should contain content pertinent to the registered students.

### Objectives

- **Entrapment Avoidance** – Use training and reference materials to study the risk management process (as identified in the Incident Response Pocket Guide) and rules of engagement (as appropriate to the participants, e.g. LCES, Standard Firefighting Orders, Eighteen Watch Out Situations, WFSA direction, Fire Management Plan priorities, etc.).
- **Current Issues** – Review and discuss identified hot topics and national emphasis topics as found on the current WFSTAR website. Review forecasts and assessments for the upcoming fire season and discuss implications for firefighter safety.
- **Fire Shelter** – Review and discuss last resort survival. Conduct hands on fire shelter inspections. Practice shelter deployments in applicable crew/module configurations and while wearing typical fireline personal protective equipment. When possible practice shelter deployments should be conducted in rough terrain and windy conditions. No live fire exercises for the purpose of fire shelter deployment training will be conducted.
- **Other Hazards and Safety Issues** – Choose additional hazard and safety subjects, which could include SAFENET, current safety alerts, site/unit specific safety issues and hazards.

### Recommended Resources Include

- Wildland Fire Safety Training Annual Refresher website  
<http://www.nifc.gov/wfstar/index.htm>
- Experiential Training  
<http://www.fireleadership.gov/>
- Annual Fireline Safety Refresher Training video  
<http://www.fire.blm.gov/training/blmtrng/refresher.html>

### Target Group

Employees holding Incident Command System qualifications requiring annual fireline safety refresher training per the 2006, PMS 310-1, Wildland Fire Qualification System Guide.

### Minimum Instructor Qualifications

Lead instructor must be a qualified single resource boss.

Unit instructors must be qualified firefighters type 1 (FFT1).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Local

## **RT-273, SINGLE ENGINE AIR TANKER MANAGER WORKSHOP**

Triennial

12-16 hrs

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### Course Description

The SEAT Manager's workshop is designed to provide the attendee with current policy revisions, technical updates, changes in reference materials and operational procedures, and an overall review of safety and security issues associated with the single engine air tanker program.

### Objectives

- Review the duties and responsibilities of the SEAT Manager.
- Use risk management techniques to perform tasks safely.
- Update and maintain SEAT management skills.
- Understand changes to aviation policy and how they apply to SEAT management.
- Review changes in the retardant contract, approved products list and updates with the quality assurance program.

### Target Group

Qualified and trainee SEAT Managers

### Minimum Instructor Qualifications

Lead and unit instructors must be current or previously qualified SEAT Managers. Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified or trainee as a Single Engine Air Tanker Manager (SEAT)

### Course Level

Local

**Core elements of a refresher will include the following:**

- **National Season Review**  
This section generally covers year end statistical information like total flight hours, gallons delivered, contacts awarded, CWN / Exclusive Use stats, highlights of what worked well during the season, and areas needing improvement.
- **New Year Outlook**  
This section generally covers any new technical updates, new contract numbers, new long and short term program changes.
- **AMD Contracting Updates**  
This section lists the tentative changes that will be made to both the CWN and Exclusive Use contracts.
- **ISOG Updates**  
The section covers the revisions in policy for the new ISOG.
- **Reference Material Updates**  
This section covers any new updates, changes, additions to any of the reference materials designed for the SEAT program like the Interagency SEAT Operations Handbook, BLM National SEAT Web Site, SEMG Workshop Refresher training.
- **Safety Review**  
This section covers a summary of Safecomms that were filed pertaining to SEAT operations, any Safety Alert or Bulletins issued for the SEAT program, and highlights of any safety concerns or issues that surfaced within the season.
- **Security Review**  
This section covers any new developments with security and airspace issues that were identified within the season.
- **Retardant Review**  
This section covers any information about new technology or developments with the retardant industry, reviews the approved products list, and provides updates about the retardant contract and quality assurance program.

**Additional Suggested Topics:**

In addition to the required elements, the following subjects that can be worked into the workshop if applicable:

- Local Updates, Concerns, Issues
- Geographical Updates, Concerns, Issues
- Individual Agencies or Base Reviews

Flexibility should be encouraged within these topics to meet geographic and audience needs. This refresher shall be designed to provide discussion and information sharing based on the identified topics. The agenda should be revisited annually, and be dynamic. Presenters should include, and not be limited to: Interagency, National, Regional, State and Local instructors involving aviation positions such as SEAT Coordinators, Dispatch, Training, and Unit Aviation Managers.

## **RT-340, HRSP REFRESHER WORKSHOP**

Triennial

16 hrs

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### Course Description

HRSP Refresher Training should be designed to provide up to date HRSP information to employees holding HRSP qualifications per the 2006 PMS 310-1, Wildland Fire Qualification System Guide. The workshop should contain content and skill building pertinent to agency policies and the duties of the position.

### Recommended Resources Include

- HRSP website  
<http://www.fs.fed.us/fire/hrsp/>

### Target Group

Employees holding Incident Command System qualifications requiring HRSP Refresher Training per the 2006 PMS 310-1, Wildland Fire Qualification System Guide.

### Minimum Instructor Qualifications

It is recommended that the coordinator be a Geographic Area HRSP Coordinator and that instructors be fully qualified HRSPs.  
Also see Instructor Certification at the beginning of this Guide.

### Course Level

Regional, state or area

## **RT-372, HELICOPTER MANAGER WORKSHOP**

Triennial or as specified by agency

24 hrs

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### Course Description

This refresher course is intended to update participants on essential helicopter management skills and provide the latest information on helicopter operations. Core elements of the refresher course should cover updates to aviation policy, risk management, and performance planning, along with a pertinent accident review. The desired outcome of this course is to update current helicopter managers on new information while reinforcing existing skills and knowledge.

### Objectives

- Review essential duties and responsibilities of the Helicopter Manager.
- Use risk management techniques to complete assignments safely.
- Update and maintain helicopter management skills.
- Understand changes to aviation policy and how they apply to helicopter management.

### Target Group

Qualified and trainee Helicopter Managers

### Minimum Instructor Qualifications

Lead instructor must be a current or previously qualified Helicopter Manager.

Unit instructors will be selected for their expertise in field, i.e., aircraft payment documents, aviation maintenance, avionics, contracting, risk management.

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified or trainee Helicopter Manager

### Course Level

Regional, state, or area

**Time:**

8 hours of the 24 hours can consist of pre-work, generated by the course coordinator, involving on-line aviation training or practical exercises.

**Core elements of a refresher will include the following:**

- Aviation Policy updates
- Risk Management
- Accident review, lessons learned
- Performance Planning

**Optional Topics:**

- Pay documents
- Dispatch and flight following Procedures
- Contracting
- Operations
- Pre-use inspections
- Maintenance
- Communications
- Agency break outs
- Agency briefings
- Project/Logistical/Support Planning
- Hazardous Materials
- Accident Investigation
- Crew Resource Management (CRM)
- Air Space
- Practical exercises testing students' knowledge of Helicopter Operations (to be developed at the discretion of the course cadre).
- Other topics determined by the course cadre to be pertinent to the audience.

Flexibility should be encouraged within these topics to meet geographic and audience needs. This refresher shall be designed to provide discussion and information sharing based on the identified topics. The agenda should be revisited annually, and be dynamic. Presenters should include, and not be limited to: Interagency, National, Regional, State and Local instructors involving aviation positions such as Dispatch, Air Attack, Training, and Unit Aviation Managers.



### 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, and smoke management and prescription design.

### Objectives

- 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

Firing boss (FIRB) 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as a firing boss (FIRB).  
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 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

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

### Course Level

Regional, state, or area

### 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 1 (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 Instructor Certification at the beginning of this Guide.

This course is quite demanding from an instructional perspective. Positive course dynamics depend greatly on the technical knowledge, skill and enthusiasm of the instructor. When hosting this course, it is highly recommended that a mentoring program be established for new or potential instructors to shadow experienced instructors.

The shadow will have the opportunity to really focus on the specific material and interact one-on-one with the instructor to acquire a full understanding of the subject before teaching it. This effort will help maintain the quality and consistency of the course and benefit new instructors as well. The intent is simply to build a pool of quality instructors and maintain the integrity of the course.

#### Course Prerequisites

Students should have a background in prescribed fire planning, implementing, monitoring, permitting or smoke/air regulating.

#### Course Level

Regional, state or area

## **RX-510, APPLIED FIRE EFFECTS**

NAFRI (revised annually)

56 hrs

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### Course Description

RX-510 is a science-based course designed to support the integration of fire effects knowledge into the program for use of wildland fire. The course emphasizes the importance of fire effects in the design, implementation and monitoring of fire treatments over multiple spatial and temporal scales. This course recognizes that planning and implementing the use of fire are interdependent activities, and provides opportunities for the burn boss and planner to work together.

The course is an intensive session that provides college-level lectures, case studies, discussion groups, and testing procedures throughout the week. Instructors include professors, agency resource specialists and fire practitioners. Students will have opportunities to interact with the faculty.

Student performance will be evaluated on a pass-fail basis through three quizzes and a final exam. To successfully complete RX-510, an overall score of 70% on the quizzes and final exam is required. Attendance for the entire week is also required to receive course credit.

RX-510 is a national level training course and as such students can expect long days.

Class size is limited to 84 students.

### Course Goal

To demonstrate the application of science-based fire effects knowledge in the planning, implementation, and evaluation of wildland fire.

### Objectives

- Translate broad ecological information into goals and objectives for the use of wildland fire.
- Incorporate short-term and long-term fire effects information into planning and implementation for the use of wildland fire.
- Provide examples and discuss methods for monitoring and evaluating prescribed fire effects.
- Apply the adaptive management process to refine a program for the use of wildland fire.

### Target Group

This course will support the knowledge and skills needed for Prescribed Fire Burn Boss, Prescribed Fire Manager, and Fire Use Manager. Those who plan and implement complex fire use decisions at multiple scales will benefit from this course.

### Minimum Instructor Qualifications

This course is managed by a National Steering Committee.

### Course Prerequisites

- RX-310 Introduction to Fire Effects or equivalent.
- S-390 Introduction to Wildland Fire Behavior Calculations.
- Successfully complete pre-course reading and develop a brief project for presentation in peer learning groups that entails approximately 8 to 12 hours. The pre-course reading and project directions will be available on the NAFRI web site.

### Course Level

National

For current course information, refer to the NAFRI web site: <http://www.nafri.gov>

Course Description

Basic Wildland Fire Suppression Orientation is a 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 with introductory information about wildland fire management.

Target Group

Personnel without previous wildland fire position experience.

Minimum Instructor 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 Instructor Certification at the beginning of this Guide.

Course Prerequisites

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 firefighters type 1 (FFT1).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Introduction to Wildland Fire Behavior (S-190).

### Course Level

Local

**The "Clues and DECIDE wallet card", NFES 2148 and "Do's and Don'ts of HazMat card", NFES 2149 referenced in the Instructor Guide are no longer available through the Publications Management System. Please delete this section of the training course.**

**S-130, FIREFIGHTING TRAINING (SPANISH VERSION)**  
2006

30-35½ hrs

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Course Description

This course is identical in content to the 2003 English version, available through the Publications Management System. See previous page for course information.

### Course Description

This course addresses the foundational skills universal to all wildland firefighters. The material is broken into twelve on-line modules (1 to 3 hours each) and a mandatory, instructor led field day exercise. Each on-line module explains the concepts and skills that will be performed and evaluated on the field day exercise. Module twelve contains optional knowledge areas (pump operations, map & compass, fire investigation and cultural resources) that are very useful concepts but not required due to time constraints.

In order to succeed on the field day exercise, students must understand the concepts taught in modules 1 through 11 as documented by module certificates of completion. Both students and instructors can find an overview of the field day exercise in module 13. This module informs instructors how to set up the exercise, lists materials needed, and provides evaluation checklists. It also provides students an idea of what to expect and what they will be evaluated on.

There is a challenge review at the end of each module. If you successfully complete the challenge review, you will be able to print a module certificate of completion. **Before you begin the challenge review, you MUST be connected to an active printer!**

A version of L-180, Human Factors on the Fireline, is included in this course. Credit should be issued for both S-130 and L-180 upon completion.

### Module/Objectives for S-130 Firefighting Training and L-180, Human Factors on the Fireline

- Tutorial
- Module 1: Preparedness, ICS and Resources
- Module 2: Watch Out and LCES
- Module 3: Fire Shelter
- Module 4: Potential Hazards and Human Factors on the Fireline
- Module 5: Transportation Safety
- Module 6: Hand Tools
- Module 7: Firing Devices
- Module 8: Water Use
- Module 9: Suppression, Communication, and Mopup
- Module 10: Hazardous Materials
- Module 11: Wildland Urban Interface
- Module 12: Optional Knowledge Areas
- Module 13: Performance Day Requirements

### Target Group

Entry-level firefighters. Students utilizing this online training must be affiliated with an NWCG member agency (thru direct membership or agreement) or a member of a fire department.

### Minimum Course Administrator/Instructor Qualifications

Modules 1 through 12 – Course administrator must be a qualified firefighter type 1 (FFT1).

Module 13, Field Day Exercise – Lead instructor must be a qualified single resource boss; additional instructors must be qualified as firefighter type 1 (FFT1).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Introduction to Wildland Fire Behavior (S-190)

### Course Level

Local

### Course Access

<http://training.nwcg.gov/online.html>

Course Description

This course is identical in content to the on-line version, available through the Publications Management System. This package is designed to meet the needs of students who do not have internet access. See previous page for course description.

### Course Description

Firefighter Type 1, S-131, is an eight-hour course designed to meet the training needs of the Firefighter Type 1 (FFT1). This course is designed to be interactive in nature. It contains several tactical decision games designed to facilitate learning the objectives and class discussion. Topics include: fireline reference materials, communications, and tactical decision making.

### Objectives

- Demonstrate the ability to use fireline reference tools to facilitate the communication and decision making processes.
- Describe how to incorporate and maintain open lines of communication with appropriate personnel.
- Demonstrate the ability to apply the standard operating procedures found in the Incident Response Pocket Guide (PMS 461).
- Demonstrate the ability to apply information found in the Fireline Handbook (PMS 410-1).

### Target Group

Firefighter type 1 (FFT1).

### Minimum Instructor Qualifications

Lead instructor must be a qualified single resource boss.  
Unit instructors must be qualified firefighters type 1 (FFT1).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as a firefighter type 2 (FFT2).

### Course Level

Local

**S-131 Unit 3 Exercise Maps (NFES 2793) are available for downloading onto a plotter at <http://www.nwcg.gov/pms/training/training.htm> as well as for purchase through the Publications Management System.**

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

Fireline supervisors, from firefighter type 1 (FFT1) through division supervisor (DIVS).

Minimum Instructor Qualifications

Lead instructor must be qualified as any single resource boss.  
Unit instructors must be qualified firefighters type 1 (FFT1).  
Also see Instructor Certification 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 need 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

- Practice 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

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 qualified as any single resource boss.  
Unit instructors must be qualified firefighters type 1 (FFT1).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Successful completion of pre-course work.

### Course Level

Local



Course Description

This course provides instruction in the primary factors affecting the start and spread of wildfire and recognition of potentially hazardous situations. S-190 is typically taught in conjunction with or prior to Basic Firefighter Training, S-130. It is designed to meet the fire behavior training needs of a firefighter type 2 (FFT2) on an incident as outlined in the PMS 310-1, Wildland Fire Qualification System Guide and the position task book developed for the position.

Objectives

- Identify and discuss the three sides of the fire triangle.
- Identify the environmental factors of fuels, weather and topography that affect the start and spread of wildland fire.
- Describe the contributing factors that indicate the potential for increased fire behavior that may compromise safety.

Target Group

Entry-level firefighters

Minimum Instructor Qualifications

Lead instructor must be a qualified single resource boss.  
Unit instructors must be qualified firefighters type 1 (FFT1).  
Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

None

Course Level

Local

**S-190, INTRODUCTION TO WILDLAND FIRE BEHAVIOR (SPANISH VERSION)**  
2007 6-8 hrs

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Course Description

This course is identical in content to the 2006 English version, available through the Publications Management System. See previous page for course information.

**S-190, INTRODUCTION TO WILDLAND FIRE BEHAVIOR (ON-LINE VERSION)**  
2008

6-8 hrs

Course Description

This course provides instruction in the primary factors affecting the start and spread of wildfire and recognition of potentially hazardous situations. S-190 is typically taught in conjunction with or prior to Firefighter Training, S-130. The material is broken into three on-line modules (1 to 3 hours each).

Modules/Objectives for S-190 Introduction to Wildland Fire Behavior:

- Tutorial
- Module 1: Basic Concepts of Wildland Fire
- Module 2: Fuel, Topography, and Weather
- Module 3: Fire Behavior

There is a challenge review at the end of each module. If you successfully complete the challenge review, you will be able to print a module certificate of completion. **Before you begin the challenge review, you MUST be connected to an active printer!**

Target Group

Entry-level firefighters. Students utilizing this online training must be affiliated with an NWCG member agency (thru direct membership or agreement) or a member of a fire department.

Minimum Course Administrator Qualifications

Course administrator must be a qualified firefighter type 1 (FFT1).

Course Prerequisites

None

Course Level

Local

Course Access

<http://training.nwcg.gov/online.html>

**S-190, INTRO TO WILDLAND FIRE BEHAVIOR (SELF-PACED CD VERSION)**  
2008

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6-8 hrs

Course Description

This course is identical in content to the on-line version, available through the Publications Management System. This package is designed to meet the needs of students who do not have internet access. See previous page for course description.

### Course Description

This course is designed to meet the training needs of the ICT4. It is presented in a discussion/exercise format. The six instructional units cover: Foundation Skills; Intelligence Gathering and Documentation; Size Up the Incident; Develop a Plan of Action; Post-fire Activities; Evaluating Incident Objectives and Manage the Incident. Evaluation of the student is by unit tests and performance based evaluations.

### Objectives

- Demonstrate effective foundation skills (leadership, risk management, and communications) at the ICT4 level.
- Gather and document essential information about the incident.
- Size up the incident, develop plan of action.
- Manage the incident through effective leadership.
- Demonstrate the ability to evaluate plan of action and make adjustments to the plan when necessary.
- Conduct post fire activities.

### 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).

Cadre must be proficient in the delivery of Tactical Decision Games (TDGS).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as any single resource boss.

### Course Level

Local

Course Description

The purpose of this course is to provide students with the skills and knowledge needed to serve as public information officers (PIOF). The course covers establishing and maintaining an incident information operation, communicating with internal and external audiences, working with the news media, handling special situations, and long term planning and strategy.

Objective

- Students will demonstrate the skills and knowledge of a public information officer (PIOF) by successfully participating in a simulation and passing a written exam.

Target Group

Personnel desiring to be qualified as public information officer (PIOF)

Minimum Instructor Qualifications

Lead instructor must be a qualified Type 2 public information officer (PIO2).

Unit instructors must be qualified as public information officer (PIOF).

Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

None

Course Level

Local

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

- 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 Instructor Certification at the beginning of this Guide.

Course Prerequisites

None

Course Level

Local

### 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

Required training for all wildland fire chain saw operator positions.

### Minimum Instructor Qualifications

Instructor qualifications are agency determined.  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as a firefighter type 2 (FFT2).

### Course Level

Local



### 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

**Wildland Fire Agencies:** This course is required training for initial attack incident commander type 4 (ICT4) and strike team leader (tractor/plow, dozer, engine, or crew).

**Structural 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 type 4 (ICT4) or any strike team leader.

The selected instructor cadre should include representatives from both structure and wildland fire disciplines.

Also see Instructor Certification at the beginning of this Guide.

## Course Prerequisites

Wildland Fire Agencies: Students must be Firefighter Type 1 (FFT1) qualified.

Structural Fire Departments: Students should have completed Introduction to ICS (I-100), Human Factors on the Fireline (L-180), Firefighter Training (S-130), Introduction to Wildland Fire Behavior (S-190), and Firefighter Type 1 (S-131); or equivalent training.

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

### 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

- 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

Vehicle drivers engaged in the support of fire management activities. Includes 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 Instructor Certification 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

### 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 instructor must be a qualified strike team leader (STL) or task force leader (TFLD).  
Unit instructors must be qualified as any single resource boss.  
Also see Instructor Certification 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

**S-230 Unit 4C Exercise Maps (NFES 2793) are available for downloading onto a plotter at <http://www.nwcg.gov/pms/training/training.htm> as well as for purchase through the Publications Management System.**

### 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 (ENGB).

### Minimum Instructor Qualifications

Lead instructor must be a qualified strike team leader engine (STEN) or task force leader (TFLD).

Unit instructors must be qualified as engine boss (single resource) (ENGB).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Crew Boss, Single Resource (S-230).

Qualified as a firefighter type 1 (FFT1).

### Course Level

Local

**\* This course references the Wildland Fire Tactics Guide, PMS 465. This publication was removed from PMS in March 2006 and is no longer available. If using the Sample Selection Letter in the Course Instructions section, please delete pre-course work requirements for this course.**

### Course Description

This is a skill course is designed to meet the training needs of a Dozer Boss on an incident as outlined the PMS 310-1 and the Position Task Book developed for the position. Primary considerations are tactical use and safety precautions required to establish and maintain an effective dozer operation. A field exercise is required as part of the course.

### Objectives

Given a dozer, operator, and a tactical assignment, the Dozer Boss will:

- Ensure that that the dozer has been properly inspected and signed up.
- Ensure that the operator is qualified and properly signed up.
- Determine the capabilities and limitations of the dozer and operator to perform an assignment.
- Identify the actions required of the dozer boss to safely and effectively complete an assignment.

### Target Group

Personnel desiring to become qualified as a single resource boss, dozer

### Minimum Instructor Qualifications

Lead instructors must be a qualified strike team leader-dozer (STDZ) or task force leader (TFLD).

Unit instructors must be a qualified single resource boss-dozer (DOZB).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as firefighter type 1 (FFT1)

### Course Level

Local

### Course Description

This course is designed to be interactive in nature. It contains exercises designed to facilitate group and class discussion. Reference material is provided to assist the student both in the classroom and on the job. There is flexibility built into the course so instructors can customize lessons to address specific Tractor Plow Boss local needs. Each student participates in a simulation exercise designed to give a realistic Tractor/Plow Boss experience. This course does not include development skills related to tractor/plow operation, nor does it provide for the evaluation of existing operational skills.

### Objective

- To make tactical decisions that will effectively and safely manage tractor/plow units at an incident. Perform and follow procedures in the utilization of tractor/plows to meet incident objectives, increase safety and support tactical incident ground forces.

### Target Group

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

### Minimum Instructor Qualifications

Lead instructor must be a qualified strike team leader tractor/plow (STPL) or task force leader (TFLD).

Unit instructors must be qualified as tractor/plow boss, single resource (TRPB).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as firefighter type 1 (FFT1).

### Course Level

Local

### 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

- 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

Personnel desiring to be qualified as firing boss, single resource (FIRB) and resource personnel involved in fire use.

### Minimum Instructor Qualifications

Lead instructor must be a qualified firing boss (single resource) (FIRB).  
Unit instructors must be qualified as any single resource boss.  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Intermediate Wildland Fire Behavior (S-290).

### Course Level

Local

**\* This course references the Wildland Fire Tactics Guide, PMS 465. This publication was removed from PMS in March 2006 and is no longer available. Several pages of the Geraldton PB3/79 case study were edited and replaced in July 2004.**



### Course Description

This course provides the student with the skills necessary to perform as a field observer (FOBS) and/or a fire effects monitor (FEMO). Topics include: roles and responsibilities of the FOBS and FEMO; how to make observations and document those observations; how to produce hand drawn and GPS field maps; and how to navigate using a compass and GPS. The navigation unit has 4½ hours of field exercises and the final field exercise is 8 hours. For pre-course work students need to read and complete exercises in *Basic Land Navigation* (NFES #2865).

### Objective

- Demonstrate skills and knowledge to gather and report information for incident planning.

### Target Group

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

### Minimum Instructor Qualifications

Lead instructor must be a qualified situation unit leader (SITL).  
Unit instructors must be qualified field observers (FOBS).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Successful completion of pre-course work.  
Intermediate Wildland Fire Behavior (S-290).  
Basic understanding of how to use a GPS receiver.

FOBS: Qualified as any single resource boss

**OR**

FEMO: Qualified as a firefighter type 2 (FFT2)

### Course Level

Local

Course Description

This course provides students with the skills necessary to perform as a display processor (DPRO). Topics include: general roles and responsibilities and how to assist the situation unit leader with producing incident maps, inputs for the Incident Status Summary (ICS-209) and other incident products. The final exam is 3 hours. For pre-course work students need to read specific chapters in *Basic Land Navigation* (NFES #2865).

Objective

- Collect and evaluate information to produce maps, ICS-209 inputs, and other incident products within established guidelines and timeframes.

Target Group

Personnel desiring to be qualified as a display processor (DPRO).

Minimum Instructor Qualifications

Lead instructor must be a qualified situation unit leader (SITL).  
Unit instructors must be qualified display processors (DPRO).  
Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Successful completion of pre-course work.

Course Level

Local

### Course Description

This course is designed to introduce students to the tools and techniques used to perform the duties of a status check-in recorder (SCKN). The course provides an overview of what a student can expect if dispatched to an incident.

**Each student will need access to a computer that has the most current incident automation software.** At the time of this publication, I-Suite was the industry standard.

### Objectives

The desired outcome of this course is to prepare students to:

- Set up and manage a check-in station.
- Process information using incident automation software and other paper based methods.
- Package the information into useful products.
- Assist with demobilization.

### Target Group

Personnel desiring to become qualified as a status/check-in recorder

### Minimum Instructor Qualifications

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

Unit instructors must be qualified status/check-in recorders (SCKN).

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

It is recommended that students have I-200, Basic ICS; L-180, Human Factors; and basic computer skills in the Windows environment.

### Course Level

Local

### 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, a written exam, and a practical final exam.

### Objectives

- 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 instructor must be a qualified communications unit leader (COML).  
Unit instructors must be qualified incident communications technician (COMT).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None required, but suggested reference and training includes:  
Basic Fire Suppression Orientation, (S-110)  
Basic Incident Command System (I-200)  
Firefighter Training (S-130)  
Basic Aviation Safety Student Guide (NFES 2097)

### Course Level

Regional, state, or area

### Course Description

This course meets the general training needs of all positions for which an understanding of interagency incident business management is required. The Interagency Incident Business Management Handbook, PMS 902, is used as the primary job aid to supplement this course. It provides basic policy and direction for incident business management.

### Objective

Given the Interagency Incident Business Handbook and/or the Fireline Handbook, students will locate and apply the appropriate regulations, established interagency procedures, and necessary forms for each of the following incident management areas:

- Application of conduct and ethics in incident support
- Recruitment, classification, pay provisions and timekeeping/recording, commissary, injury compensation, and travel
- Acquisition
- Managing and tracking government property
- Interagency coordination and cooperation
- Investigation and reporting of accidents
- Investigating, documenting, and reporting claims
- Containing incident costs
- All risk

### 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Local

### Course Description

This is an instructor led course designed for entry-level finance positions. The format is a mix of exercises, facilitated group discussions and lecture supported by PowerPoint presentations. Students work directly from the Interagency Incident Business Management Handbook for most of the exercises.

S-261 is designed to be taken after completion of S-260, Interagency Incident Business Management.

### Objective

At the successful completion of this course, students will describe roles and responsibilities, and demonstrate proficiency in the skills/knowledge required to perform the tasks of the following positions:

- Commissary Manager (CMSY)
- Equipment Time Recorder (EQTR)
- Compensation for Injury Specialist (INJR)
- Claims Specialist (CLMS)
- Personnel Time Recorder (PTRC)

### Target Group

Personnel desiring to be qualified as one or more of the financial positions: commissary manager (CMSY), equipment time recorder (EQTR), compensation for injury specialist (INJR), claims specialist (CLMS), or personnel time recorder (PTRC).

### Minimum Instructor Qualifications

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

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Local

### 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

Single resource bosses, incident commander type 4 (ICT4), and support dispatcher (EDSD).

### 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Local

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: aviation safety, aircraft capabilities and limitations, aviation life support equipment, aviation mishap reporting, pre-flight checklist and briefing/debriefing, aviation transportation of hazardous materials, crash survival, helicopter operations, helicopter field exercise.

This course contains the following Interagency Aviation Training modules: A-101, A-104, A-105, A-106, A-108, A-110, A-113, A-209, A-210, and A-219\*.

Objectives

- 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 (HCWN) or helicopter boss (HELB).

Unit instructors must be qualified helicopter crewmembers (HECM).

Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Non-fire personnel: None.

Fire personnel: Qualified as a firefighter type 2 (FFT2).

Course Level

Local



**Information within the A-110, Aviation Transportation of Hazardous Materials module of this course is outdated based on the new DOT Handbook/Guide. Instructors will need to revise this module of the course prior to teaching. New information can be found at <http://iat.nifc.gov> under online courses.**

**\*A-219, Helicopter Transport of External Loads, has been added as a module to the S-271 course. Instructors will need to incorporate A-219 when teaching this course. For information on obtaining a copy of A-219 please go to [http://training.nwcg.gov/twt/sect\\_course\\_updates.htm](http://training.nwcg.gov/twt/sect_course_updates.htm) under the S-271 Course Update. The addition of A-219 should not significantly increase course length.**

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 (SEMG).

Minimum Instructor Qualifications

Lead and unit instructors must be qualified single engine air tanker managers (SEMG). Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Basic Air Operations (S-270).  
Successful completion of 4-6 hours of pre-course work.

Course Level

Local

### Course Description

This is a classroom-based skills course designed to prepare the prospective fireline 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.

Fire environment differences are discussed as necessary; instructor should stress local conditions.

### Objectives

- Identify and describe the characteristics of fuels, weather, and topography that influence wildland fire behavior.
- Describe the interaction of fuels, weather, and topography on wildland fire behavior, fireline tactics, and safety.
- Describe the causes of extreme fire behavior conditions (long range spotting, crowning, and firewhirls) that develop due to weather, fuels, and/or topography.
- Interpret, communicate, apply, and document wildland fire behavior and weather information.

### Target Group

Personnel desiring to be qualified as: any single resource boss or fire effects monitor (FEMO).

### Minimum Instructor Qualifications

The lead instructor must be qualified at the strike team leader (STL) or task force leader (TFLD), or prescribed fire burn boss type 2 (RXB2). Successful completion of S-490 Advanced Fire behavior Calculations is recommended.

Unit instructors must be qualified as a single resource boss. A meteorologist is highly recommended to instruct the weather sections of this class.

Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Introduction to Wildland Fire Behavior (S-190).

### Course Level

Local

### Course Description

This course is designed to meet the training needs of the incident commander type 3 (ICT3). The focus is on the lessons of leadership and command as they relate to the ICT3 position. It is presented in participative lecture format with multiple tactical decision games for students to practice new knowledge. The seven instructional units cover: Foundation Skills, Situational Awareness, Command and Control, Managing the Incident, Transitional Activities, Post-Fire Activities and a Final Simulation. There is also an optional Staff Ride Activity (Unit 8) if instructors choose to include it.

### Objectives

- Demonstrate an understanding of the concept of Command as it relates to the ICT3.
- Demonstrate effective foundation skills (leadership, risk management, and communications at the ICT3 level.
- Develop situational awareness of incident environment.
- Demonstrate effective command and control over a quickly assembled team in a time constrained and rapidly changing incident environment.
- Demonstrate the ability to manage an incident.
- Conduct post fire activities.

### Target Group

Personnel desiring to be qualified as ICT3

### Minimum Instructor Qualifications

Lead and Unit instructors must be qualified ICT3 or division group supervisors (DIVS). Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as an incident commander type 4 (ICT4) and qualified as a task force leader (TFLD)  
OR

Qualified as an ICT4 and as a strike team leader and any two single resource boss positions – one must be crew (CRWB) or engine (ENGB).

Completion of pre-course work assignment

### Course Level

Regional, state or area

### Course Description

Task Force/Strike Team Leader, S-330 is a 24-hour course designed to meet the training requirements outlined in the Wildland Fire Qualification System Guide and the Position Task Books (PTB) developed for the positions of Task Force Leader and Strike Team Leader. Examples and exercises in this package are specific to wildland fire suppression. If students are expected to perform in some other risk area, exercises and examples appropriate to the expected risk areas should be added.

### Objectives

- Demonstrate the ability to apply the Risk Management Process found in the Incident Response Pocket Guide (IRPG) to various incidents.
- Identify and describe the responsibilities of a Task Force/Strike Team Leader (TFLD/STL).
- Demonstrate the ability to apply appropriate tactics in various incident situations with various resources organized into strike teams or task forces.

### 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 (STL) or task force leaders (TFLD).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as any single resource boss.  
Successful completion of pre-course work.

### Course Level

Regional, state, or area

### 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 (STL) or task force leaders (TFLD).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as a single resource boss or initial attack incident commander type 4 (ICT4).

### Course Level

Regional, state, or area

Course Description

This course prepares students to perform in the role of division/group supervisor. It will provide instruction in support of the specific tasks of the 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 work. Topics include: division/group management, organizational interaction, division operations, all-hazard operations, and tactical decision games (optional). There is a final examination in this course.

Objective

- At the successful completion of this course, the student will demonstrate an understanding of the duties required of a division/group supervisor in preparation for completing position task book elements.

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 supervisors (DIVS) or incident commanders type 3 (ICT3).

Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as a task force leader (TFLD) OR qualified as an incident commander type 3 (ICT3) OR qualified as an incident commander type 4 (ICT4) and in any two strike team leader positions (one must be STCR or STEN).

Also see Instructor Certification at the beginning of this Guide.

Course Level

Regional, state, or area

### Course Description

This course is designed to equip an individual with the technical skills and knowledge needed to fulfill the role of Human Resource Specialist (HRSP) on emergency incidents. The primary purpose of the HRSP is to assist the Incident Command Team in maintaining a harmonious and professional environment by facilitating the resolution of a wide range of human resource issues.

### Objectives

- Monitor incident activities for violations of appropriate practices and or activities that could lead to violations.
- Inform incident management that inappropriate practices or activities exist.
- Maintain appropriate visibility.
- Assist incident management by providing information on proper incident behavior.
- Advise incident management/supervisors on proper actions to take to alleviate inappropriate practices.
- Assist incident management in resolution of inappropriate acts or conditions by facilitating appropriate process.
- Participate in daily Incident Management Team briefings.
- Provide appropriate documentation of contacts made during the incident.

### Target Group

Personnel desiring to be qualified as HRSP.

### Minimum Instructor Qualifications

It is recommended that the lead instructor be a Geographic Area HRSP Coordinator. Lead and unit instructors must be qualified Human Resource Specialists (HRSP). See Course Instructions for adjunct instructor recommendations. Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Regional, state, or area



### Course Description

The GIS Specialist course is designed to meet the training needs of a Geographic Information Systems Specialist (GISS) to manage the information needs of all-hazard incidents managed with the Incident Command System (ICS). The course combines lecture, discussion, and group exercises. The use of Geographic Information Systems (GIS) is one of the most efficient methods for documenting, analyzing, and managing information regarding the location of facilities, conditions, and environments affected by wildland fire, storms, floods, earthquakes, and other incidents.

**NOTE: This course is a wildland fire course for people already well-versed in GIS. It is not a course for people wanting to learn GIS. For additional information and locations of upcoming courses please refer to S-341 link at <http://www.odf.state.or.us/gis/gtag/gtag.html>**

During the course students will:

- Describe the pre-season and pre-incident duties of the GIS Specialist and identify the equipment and data needs required for incident support.
- Describe the dispatch and mobilization process and the procedures for incident check-in.
- Demonstrate how to set up the GIS Specialist work area and organization to meet the needs of the incident management team.
- Describe the incident planning cycle and the associated timeframes and product deadlines critical to GIS Specialist incident support.
- Collect data, identify and use maps, orthoimagery, graphics, and other information to produce the required incident maps.
- Discuss some examples of the more complex data analysis and manipulation commonly requested of a GIS Specialist.
- Utilize the established file structure and naming conventions to store, archive, and document all GIS Specialist incident activities.

### Objective

Upon completing the course, students will have the knowledge and skills to respond to fire and all-hazard incidents and perform the duties of a beginning GIS Specialist. This includes:

- Identify the basic supplies and data they will need on the incident.
- Create the basic maps required from the GIS Specialist on an incident within established timeframes.
- Establish and utilize a file structure, naming convention, and documentation to manage and archive incident data.

### Target Group

Specialists and technicians actively using GIS in a land or resource management environment that are interested in utilizing those skills in all-hazard incident management. Candidates from all agencies involved in all-hazard incident management are encouraged to apply.

### Minimum Instructor Qualifications

Lead and unit instructors must be a qualified GIS Specialist (GISS)  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites:

- Working knowledge of the current version of ArcGIS. The course is designed for those with considerable experience working with ArcMap. This is not a class on how to use ArcMap.
- Adept at working within the directory structures in Windows and in the use of Windows Explorer file management and folder structures.
- Availability for dispatch to an incident as a GIS Specialist trainee within the next year. Availability includes supervisory approval and a personal commitment to support at least one incident.

### Course Hardware Requirements:

Selected students will be required to bring a notebook PC to the course capable of running the current version of ArcMap commonly used by agencies.

### Course Software Requirements:

Software requirements include the current version of ArcMap, (ArcView or ArcInfo) loaded and running on the computer you bring to the class. **Administrative Rights to load software must be allowed in your laptop configuration.**

Course Description

This course is designed to prepare the student to accomplish the duties and responsibilities of a situation unit leaders (SITL). The course starts with how to activate, setup, organize, manage, and demobilize a situation unit. It then addresses the products (maps, ICS-209, and other reports) the Situation Unit produces, as well as the technology that is needed to produce the products. One component of the pre-course work is for students to read and complete the exercises in *Basic Land Navigation* (NFES #2865).

Objectives

- Demonstrate the knowledge and skills to effectively manage personnel, equipment, and supplies for the Situation Unit.
- Demonstrate knowledge and skills to produce and disseminate timely and accurate products on the incident status.

Target Group

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

Minimum Instructor Qualifications

Lead and unit instructors must be a qualified situation unit leader (SITL). Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as any strike team leader or incident commander type 4 (ICT4).

Course Level

Regional, state or area

### 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, and 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 demobilization plan.

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

### Objective

- 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as a resources unit leader.  
Successful completion of pre-course work and pre-course test.

### Course Level

Regional, state or area

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, and 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

- 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 and unit instructors must be qualified resource unit leaders (RESL).  
Also see Instructor Certification 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

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

- 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 and unit instructors must be qualified facilities unit leaders (FACL). Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as a base/camp manager.

Course Level

Regional, state, or area

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 and unit instructors must be qualified ground support unit leaders (GSUL). Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as equipment manager (EQPM).

Course Level

Regional, state, or area

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 and unit instructors must be qualified supply unit leaders (SPUL).  
Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as an ordering manager (ORDM) and as a receiving/distribution manager (RCDM).

Course Level

Regional, state, or area



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 FDUL.

Objective

- 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 and unit instructors must be qualified food unit leaders (FDUL). Also see Instructor Certification 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.**

### 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 Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as an incident communications technician (COMT) and as an incident communications center manager (INCM).  
Successful completion of pre-course work.

### Course Level

Regional, state, or area

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

- 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 and unit instructors must be qualified medical unit leaders (MEDL). Also see Instructor Certification 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

Course Description

This course is designed to provide the prerequisite knowledge and skills necessary to perform the tasks of finance/administration unit leaders: 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 Instructor Certification 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

Course Description

This course provides students with the skills necessary to perform as a helibase manager through facilitated discussions and group exercises. The final exercise is designed to give the student a realistic helibase manager experience which prompts the student to communicate, resolve issues and make decisions in support of an incident.

Objective

- Perform the tasks required of a helibase manager. Task include: To develop, organize, and safely manage a helibase to support and meet incident objectives.

Target Group

All personnel desiring to be qualified as a helibase manager type 2 (HEB2).

Minimum Instructor Qualifications

Lead instructor must be qualified helibase manger type 1 (HEB1).  
Unit instructors must be qualified helibase manager type 2 (HEB2).  
Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as a helicopter manager (HELM) or a helicopter boss (HELB).  
Successful completion of 8-12 hours of pre-course work.

Course Level

Regional, state, or area

**S-372, HELICOPTER MANAGEMENT**  
200x

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The S-372 course is not currently a certified NWCG course. This course has transitioned from the Interagency Training Management (formerly Office of Aircraft Services) to the NWCG Training Development Unit and is in revision. We realize there are many draft versions of this course being taught throughout the nation.

It is anticipated that this course will be certified in 2008. A full description for S-372 will not appear in the FMCG until that happens.

### Course Description

This course leads students through the duties and responsibilities of the air support group supervisor (ASGS) and addresses aviation safety, risk management, airspace coordination, dispatch relations and coordination, fixed wing, rotor wing and military operations. The desired outcome of this course is to prepare students to make the transition from being a type 1 helibase manager (HEB1) to an ASGS.

There is a pre-course work assignment that familiarizes students with the various reference materials used by an ASGS. The pre-course work is available on the Training Working Team website at <http://training.nwcg.gov/online.html> .

### Objectives

- Perform the duties and responsibilities of the ASGS.
- Use risk management techniques to perform tasks safely.
- Coordinate airspace and build dispatch relations.
- Define the ASGS role as it relates to fixed wing, rotor wing, and military operations.

### Target Group

Qualified type 1 helibase managers desiring to become qualified as air support group supervisors.

### Minimum Instructor Qualifications

Lead and unit instructors must be qualified as air support group supervisors. Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Qualified as a type 1 helibase manager and successfully completing the pre-course work (70% minimum passing score).

### 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) and the Position Task Book (PTB) developed for the position. Pre-course work covers air operations organization, responsibilities, and aircraft types and capabilities. Topics include: communications, navigation, air traffic control, strategy and tactics, and safety.

### Objectives

- 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

Personnel desiring to be qualified as an air tactical group supervisor (ATGS) and helicopter coordinator (HLCO), and with lead plane pilot trainees.

### Minimum Instructor Qualifications

Lead and unit instructors must be a qualified air tactical group supervisor (ATGS). Also see Instructor Certification 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.  
Successful completion of the pre-course test.

### Course Level

Regional, state, or area

**The pre-course work for this course is based on the 1997 version ATGS Guide. If you are putting on this course, use the 1997 version of the Guide to send to students for the pre-course work and then hand out the 2004 version to the students at the course. We are in the process of correcting this issue.**



### Course Description

This course is designed to introduce fire behavior calculations by manual methods, using nomograms and the Fire Behavior Handbook Appendix B. The student gains an understanding of the determinants of fire behavior through studying inputs (weather, slope, fuels, and fuel moisture). The student also learns how to interpret fire behavior outputs, documentation processes, and fire behavior briefing components.

### Objectives

- List the assumptions, limitations, and appropriate uses of fire behavior prediction models.
- Describe how environmental factors and processes affect fire behavior predictions and safety.
- Define and interpret fire behavior prediction model inputs.
- Calculate fire behavior outputs using available fire behavior processors.
- Interpret, communicate, apply, and document wildland fire behavior and weather information.

### Target Group

Personnel desiring to become qualified as division group supervisor (DIVS), prescribed fire burn boss type 2 (RXB2), incident commander type 3 (ICT3), or in a position requiring this knowledge.

### Minimum Instructor Qualifications

Lead instructor must have completed S-490, Advanced Fire Behavior Calculations and be a qualified division group supervisor, incident commander type 3 or prescribed fire burn boss type 1; it is recommended that the lead instructor be a qualified fire behavior analyst. Unit instructors must be qualified as strike team leader, task force leader or prescribed fire burn boss type 2. A meteorologist is highly recommended to instruct the weather sections of this course. Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

Intermediate Wildland Fire Behavior (S-290)  
Qualified as a single resource boss.

### Course Level

Regional, state, or area

### 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 exercises 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

- 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 and unit instructors must be qualified incident commander type 2s (ICT2). Also see Instructor Certification 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

**\* NFES 2042, ICS Incident Planning at Work referred to in this course has been deleted from the Publications Management System and replaced with the DVD "Planning Process for All Risk Incidents", NFES 2952. Please use NFES 2952 as a replacement for NFES 2042.**

Course Description

This course meets the training requirements for an public information officer type 2 (PIO2). 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 public information officer type 2 (PIO2) on a type 2 incident.

Target Group

Personnel desiring to be qualified as public information officer type 2 (PIO2).

Minimum Instructor Qualifications

Lead and unit instructors must be a qualified public information officer type 2s (PIO2). Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Introduction to Wildland Fire Behavior (S-190).

Course Level

Regional, state, or area

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

- 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 and unit instructors must be qualified safety officer type 2s (SOF2).  
Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as a division/group supervisor (DIVS).

Course Level

Regional, state, or area

### 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 and unit instructor must be qualified command or general staff type 2. Also see Instructor Certification 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

**\* NFES 2042, ICS Incident Planning at Work referred to in this course has been deleted from the Publications Management System and replaced with the DVD "Planning Process for All Risk Incidents", NFES 2952. Please use NFES 2952 as a replacement for NFES 2042.**

Course Description

This course is designed to meet the training needs of the operations section chief type 2 (OSC2). This course is designed to be interactive in nature and contains several exercises designed to facilitate group and classroom discussion.

Objectives

- Explain the four elements of planning critical to the OSC: information gathering, strategy meetings, preparation of the Incident Action Plan (ICS 215), and the OSC role in demobilization.
- Discuss OSC supervision responsibilities that pertain to: operational period briefings, managing the operations section, risk assessment and safety management, and adjusting tactics.
- Describe the OSC role in external and internal coordination

Target Group

Personnel desiring to be qualified as an operations section chief type 2 (OSC2)

Minimum Instructor Qualifications

Lead and unit instructor must be qualified operations section chief type 2 (OSC2). Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as a division/group supervisor (DIVS)

Course Level

Regional, state, or area

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 type 2 (PSC2).

Target Group

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

Minimum Instructor Qualifications

Lead and unit instructors must be qualified planning section chief type 2s (PSC2). Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as a Situation Unit Leader (SITL) and as a Resources Unit Leader (RESL). Successful completion of pre-course work.

Course Level

Regional, state, or area

**\* NFES 2042, ICS Incident Planning at Work referred to in this course has been deleted from the Publications Management System and replaced with the DVD "Planning Process for All Risk Incidents" NFES 2952. Please use NFES 2952 as a replacement for NFES 2042.**

### 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

- 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 and unit instructors must be qualified incident training specialists (TNSP). Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

None

### Course Level

Regional, state, or area

**Note: The Wildland and Prescribed Fire Qualification System National Training Curriculum Modules referred to in this course have been deleted from the Publications Management System. Until the course is revised instructors will have to adjust instruction material accordingly.**



Course Description

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

Objectives

- 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 and unit instructors must be qualified logistics section chief type 2s (LSC2). Also see Instructor Certification at the beginning of this Guide.

Course Prerequisites

Qualified as facilities unit leader (FACL) and ground support unit leader (GSUL) **OR** facilities unit leader (FACL) and supply unit leader (SUPL).

Course Level

Regional, state, or area

### 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

- 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 (Wildland Fire Situation Analysis (WFSA), demobilization plan, incident action plan (IAP), and 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 and unit instructors must be qualified finance/administration section chief type 2s (FSC2). Also see Instructor Certification 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

**\* NFES 2042, ICS Incident Planning at Work referred to in this course has been deleted from the Publications Management System and replaced with the DVD "Planning Process for All Risk Incidents", NFES 2952. Please use NFES 2952 as a replacement for NFES 2042.**

### 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, and demobilization.

### Objective

- 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 and unit instructors must be qualified air operations branch directors (AOBD). Also see Instructor Certification 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

Course Description

This course is designed to provide the prerequisite knowledge and skills necessary to perform the tasks of an Incident Business Advisor (IBA). Topics include: preparation for an assignment, interactions/activities, and relationship to cost objectives.

Objectives

- Describe the basic framework of the IBA position.
- Describe the relationship of the IBA with incident personnel, incident agency personnel, and other contacts.

Target Group

Personnel desiring to be qualified as an Incident Business Advisor Type 1 or 2 (IBA1/2).

Minimum Instructor Qualifications

Lead and unit instructors must be qualified Incident Business Advisors Type 2 (IBA2).

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

Course Prerequisites

- Students attending this course should have experience working with complex organizations, (i.e., Area Command, Multi-agency Coordinating Group, Unified Command, Federal Emergency Management Agency (FEMA)), or
- Experience working with incident management teams, interagency cooperators and additional support organizations during incidents, or
- Satisfactory performance as a unit leader or section chief, Type II or Type I level.

Course Level

Regional, state, or area

### 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

- Collect and evaluate fire behavior prediction model inputs and compute wildland fire behavior using advanced techniques.
- Use fire behavior models to predict fire growth in varied terrain.
- Define likely conditions for extreme fire behavior and potential impacts on safety.
- Interpret, communicate, apply, and document wildland fire behavior and weather information.

### 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 and unit instructors must be qualified fire behavior analysts (FBAN), or long term fire analysts (LTAN), or prescribed fire burn boss type 1 (RXB1).  
Also see Instructor Certification at the beginning of this Guide.

### Course Prerequisites

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

Proficiency using non-automated fire behavior processors:

- Nomograms
- Fireline Handbook, Appendix B

Proficiency using the latest computerized Fire Modeling System is required.

### Course Level

Regional, state, or area

## **S-491, INTERMEDIATE NATIONAL FIRE DANGER RATING SYSTEM**

2003

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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.

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

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

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

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

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### 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 Instructor Certification at the beginning of this Guide.

## Course Prerequisites

- Advanced Wildland Fire Behavior Calculations (S-490).
- Intermediate NFDERS (S-491) recommended but not required.
- 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
- 3½" 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.

## **S-493, FARSITE FIRE AREA SIMULATOR**

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

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### Course Description

The course is divided 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

- 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

- 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.
- 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**

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

Also see Instructor Certification 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	PERFORMANCE
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.

**S-520, ADVANCED INCIDENT MANAGEMENT**  
**CIMC, Complex Incident Management Course (interchangeable course)**  
**NAFRI**

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60 hrs

Course Description

Using classroom lecture and simulated incidents the student will understand the role and function of a Type 1 Incident Management Team, the applicability of management principles to the incident management job, and the special considerations of incident management within geographic areas of the nation.

CIMC, the Complex Incident Management Course, was developed in conjunction with S-520 Advanced Incident Management. The two courses were co-developed around similar course and lesson objectives and content; they are interchangeable. For additional information on the Complex Incident Management Course see [http://www.nafri.gov/pages/description\\_cimc.htm](http://www.nafri.gov/pages/description_cimc.htm)

**Early Nomination Rationale**

Early nomination has been requested to give those nominated the necessary mentoring and pre-work assignments for the course.

Objectives

Given a simulated complex fire situation, students will effectively perform functional and team responsibilities. Individual performance must meet established criteria for successful completion of the course.

Target Group

Any person qualified to fill a national level interagency Type 1 Incident Management Team position as an Incident Commander, Planning Section Chief, Operations Section Chief, Logistics Section Chief, Finance Section Chief, Safety Officer, or Information Officer, or any person desiring to become certified in one of these positions at the Type 1 complexity level.

Minimum Instructor Qualifications

This course is managed by a National Steering Committee.

Course Prerequisites

Individuals must be functionally certified and qualified at the Type 2 level for the position they will be filling at the course. Nominations must be submitted with a current fire qualifications record and with a narrative statement giving a brief background of the person nominated. Include a description of the intended use of the skills developed as a result of attending S-520. Previous attendance at S-420 is recommended.

Course Level

National

For current course information, refer to the NAFRI web site: <http://www.nafri.gov>

### Course Description

S-580 is designed to provide students with an understanding of the implementation process for appropriate management response to accomplish resource benefits over a wide range of management situations.

This course focuses on planning and implementation activities consistent with the Federal Wildland Fire Management Policy. Course information provides an understanding of wildland fire use planning processes, which are reinforced through exercises. Advanced fire use examples and case studies are drawn from experiences in the wildland fire environment and showcase examples of wildland fire activities including wildland fire use, prescribed fire, and confinement strategies.

### Objectives

- Participants will know the underlying philosophy, goals and requirements to successfully implement fire use activities in support of resource and wilderness management goals.
- Participants will understand the process and need to complete wildland fire use implementation planning documents.

### Target Group

Fire Use Managers, agency administrators, Type 2 Incident Commanders, fire use management team members, and wilderness, fire, resource, and other staff with direct fire planning and implementation responsibilities.

### Minimum Instructor Qualifications

This course is managed by a National Steering Committee.

### Course Prerequisites

Suggested Training: RX-310, Introduction to Fire Effects, and M-580, Fire in Ecosystem Management

### Course Level

National

For current course information, refer to the NAFRI web site: <http://www.nafri.gov>

**S-590, ADVANCED FIRE BEHAVIOR INTERPRETATION**  
NAFRI

80 hrs

S-590 is currently offered every other year on the even years.

Course Description

Through the use of lecture, demonstrations and exercises the student will learn the job of the FBAN/LTAN. Units covered will include:

S-590 Fire Behavior Interpretation		Knowledge, Skills, & Abilities	
Unit	Unit Description	Gained at Course	Brought to Course
Archival	Fire Behavior Documentation Package, Legal considerations	Organizational, Communication	Computer Skills
Application	Safety, Briefings, Forecasts, Decision Support, Strategic Plan Development, Firing Operations, Advanced Applications, reinforced with exercises	Organizational, Communication, & Computer Skills	Intuitive, Operational Skills, & Computer Skills
Analysis	Skills learned in prerequisite courses, develop support for decision making, and demonstrate in exercises	Organizational, Communication, & Computer Skills	Analytical Skills & Computer Skills
Acquisition	Skills learned in prerequisite courses, reinforced with obtaining fire environment and fire behavior information, and internet use.	Organizational, Communication, & Computer Skills	Computer Skills

Course size limited to 40 students.

Objectives

- Describe the FBAN/LTAN responsibilities and interactions with managers, management teams, meteorologists, and others.
- Demonstrate skills in analyzing, interpreting, displaying, and communicating fire behavior information.
- Apply fire behavior predictive information in support of all types of wildland fire planning and operations.
- Demonstrate the ability to effectively communicate orally and in writing appropriate wildland fire behavior predictive information.
- Demonstrate the ability to prepare a complete fire behavior documentation package.



## Target Group

Individuals desiring to be qualified as fire behavior analyst (FBAN) or long term fire analyst (LTAN) in wildland fire suppression and fire use organizations.

## Minimum Instructor Qualifications

This course is managed by a National Steering Committee.

## Course Prerequisites

**All applicants** must have completed S-490 Advanced Wildland Fire Behavior Calculations, and demonstrate proficiency in the use of BehavePlus and Windows operating system. All nominees will need to successfully complete a pre-course test that will take no more than 4 hours.

In addition, those students **seeking qualification as a Fire Behavior Analyst** must be qualified as Division/Group Supervisor (DIVS) under the Incident Command System.

Students **seeking qualification as a Long Term Fire Analyst** must be qualified as a Fire Effects Monitor and a Firing Boss, single Resource, under the Incident Command System. In addition, they must have completed S-492, Long Term Fire Risk Assessment and S-493, FARSITE: Fire Growth Simulation. If both S-492 and S-493 have not been successfully completed, students must have completed the replacement course, S-495, Geospatial Fire Analysis, Interpretation, and Application.

There will be additional pre-course work that is estimated to take approximately 30 hours.

Success in S-590 will depend on the student's ability in communication skills, both written and oral. Additional skills could be obtained by attending the Facilitative Instructor course, M-410 or other public speaking and technical writing courses.

Those applying for FBAN position will be evaluated in the areas of short-term fire behavior predication, assessing the likelihood of success for strategies and specific tactical operations, and the identification and mitigation of fire behavior related firefighter safety concerns.

Nominees for LTAN position will be evaluated in the areas of short-term fire behavior predication, and an understanding of long-term risk assessments, fire area growth simulation and NFDRS.

### Course Hardware/Software Requirements

All students attending S-590 will need to provide their own laptop and portable printer with the appropriate printer driver installed. Students need to install the latest version of the following software prior to the start of the course. The software needs to be tested in a standalone environment (not connected to their network). Students need to test their portable printer by printing one page from BehavePlus again in a standalone environment. During S-590, students will not need to access the NAFRI network or the internet.

Experience has taught us that higher processor speed, RAM and disk space allows the participant to keep up, avoid frustration, and pay attention to course exercise, instead of fumbling with a laptop that just will not suffice. We suggest the participant review the NAFRI [computer standards](#) with their IT staff.

Software to be installed prior to attending S-590: (Current as of 6/1/07)

BehavePlus Version 3.0.2  
FARSITE Version 4.1.055  
RERAP Version 7.02  
WFDSS User Name and Password

### Course Level

National

For current course information, refer to the NAFRI web site: <http://www.nafri.gov>

Course Description

Using classroom lecture and simulated incident, the student will understand principles and concepts of Area Command, and understand the interaction of Area Command and other incident organizations, agencies, and political entities.

Objective

Given a simulated multi-incident fire situation, students will effectively perform functional and team responsibilities. Individual's performance must meet established criteria for successful completion of the course.

Target Group

Those persons in wildland fire agencies that will be available to participate on a national interagency Area Command team as an Area Commander, Assistant Area Commander Logistics, Assistant Area Commander Planning or Area Command Aviation Coordinator.

Minimum Instructor Qualifications

This course is managed by a National Steering Committee.

Course Prerequisites

Individuals must be qualified at the Type 1 level and have successfully completed S-520, except for the Area Command Aviation Coordinator who must complete the Position Task Book prior to attending. Nominations must be submitted with a narrative statement giving a background of the person nominated. Include a description of the intended use of the skills developed as a result of attendance at S-620.

Course Level

National

For current course information, refer to the NAFRI web site: <http://www.nafri.gov>

**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 order 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](http://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 Air Tanker Manager

Add S-273, Single Engine Air Tanker 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.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #12**

Effective Date:       December 16, 2004

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

Course Administrator

Add definition of Course Administrator.

S-131, Firefighter Type 1 Training

Insert the updated course description.

S-271, Helicopter Crewmember

Insert the updated course description.

S-372, Helicopter Management

Insert "reserved" sheet with course status; course is not certified and will not appear in the FMCG until that happens.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #13**

Effective Date:        March 15, 2005

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

FI-110, Wildland Fire Observations & Origin Scene Protection for First Responders

Insert course description.

S-131, Firefighter Type 1 Training

Insert note regarding availability of map tif files on the PMS web site.

S-230, Crew Boss, Single Resource

Insert note regarding availability of map tif files on the PMS web site.

S-271, Helicopter Crewmember

Insert note regarding the update to the A-110 Aviation Transportation of Hazardous Materials module of the course.

S-378, Air Tactical Group Supervisor

Insert note regarding the pre-course work and the new ATGS Guide.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #14**

Effective Date:        May 3, 2005

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

S-340, Human Resource Specialist

Insert course description.

S-133, Look Up, Look Down, Look Around

Change publication date to 1992 (2002 was a typo).

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #15**

Effective Date: September 22, 2005

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

NWCG Course Equivalency Guidelines

Insert Course Equivalency Guidelines as approved by the TWT.

Position Name for FFT1

Change "advanced firefighter type 1 (FFT1)" to "firefighter type 1 (FFT1)" throughout Guide.

D-311, Initial Attack Dispatcher

Insert course description.

FI-210, Wildland Fire Origin and Cause Determination

Insert course description.

L-381, Incident Leadership

Add course to index.

P-110, Inspecting Fire Prone Property

Delete all reference to course in this Guide. Course was deleted from the curriculum 10/04.

P-130, Wildland Fire Cause Determination for First Responders

Delete all reference to course in this Guide. Course was deleted from the curriculum 12/04.

S-212, Wildland Fire Chain Saws

Change name from Wildfire Power Saws to Wildland Fire Chain Saws.

S-233, Tractor Plow Boss (Single Resource)

Insert 2005 course description.

S-260, Interagency Incident Business Management

Insert 2005 course description.

S-270, Basic Air Operations

Amend course prerequisites.

S-290, Intermediate Fire Behavior, CD-ROM

Add course to index.

S-300, Incident Commander – Extended Attack

Change course title in FMCG to match course (index and course page).

Amend course prerequisites.

S-360, Finance Administration Unit Leader

Change publication date from 2000 to 2001.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #16**

Effective Date: December 8, 2005

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

Page Footer

Guide title and revision date have been added to the footer.

Introduction

Title of the PMS 310-1 has been changed.

Description of the Performance Based System

This page has been deleted; see PMS 310-1 for identical information.

Table of Contents

Several inaccurate course titles have been changed.

D-111 (D-105), Entry Level Dispatcher

Course page and other references to this course throughout the guide have been deleted. As per Issue Paper #72 this course will be removed from the NWCG curriculum and PMS as of December 31, 2005.

FI-210, Wildland Fire Origin and Cause Determination

Position code changed from INF3 to INV3 and reference to a type 3 investigator has been removed (as per direction from the IOSWT).

S-270, Basic Air Operations

Course prerequisites have been updated.

S-273, Single Engine Air Tanker Manager

Course prerequisites have been updated.

S-330, Task Force/Strike Team Leader

Updated course has been added (2005 version).

S-443, Infrared Interpreter

Course page has been deleted. The Infrared Interpreter position has been moved to technical specialist; qualifications are agency specific. NWCG will no longer support/recognize training.



**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #17**

Effective Date:        March 9, 2006

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

Course Introduction

Inserted "NWCG Interchangeable Course Guidelines"

I-100, IS-100, Q-462, Introduction to ICS

Updated course page has been added.

RT-130, Fireline Safety Refresher Training

Course page has been added.

RT-340, Human Resource Specialist Refresher Workshop

Course page has been added.

S-130, Firefighter Training (Spanish version)

Course page has been added.

S-190, Introduction to Wildland Fire Behavior

Updated course page has been added.

S-232, Dozer Boss

Updated course page has been added.

S-248, Status Check-In Recorder

Updated course page has been added.

S-430, Operations Section Chief

Updated course page has been added.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #18**

Effective Date:        May 4, 2006

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

Introduction

Added statement indicating that old courses are invalid six months after a new version is available for order in the Publications Management System.

Instructor Qualifications

Added Degree in Education or Education credential to the Facilitative Instructor, M-410 or equivalent course requirement

FI-210, Wildland Fire Origin and Cause Determination

Changed course prerequisites so they do not conflict with the PMS 310-1

I-200, IS-200, Q-463, Basic ICS: ICS for Single Resources and Initial Action Incidents

Updated course page has been added.

I-300, Intermediate ICS

Strengthened Minimum Instructor Qualifications

I-400, Advanced ICS

Strengthened Minimum Instructor Qualifications

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #19**

Effective Date:           October 26, 2006

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

NAFRI Courses

Updated NAFRI course information in the front of the Guide.

S-203, Introduction to Incident Information

Changed IOF3 references to PIOF.

S-339, Division Group Supervisor

Updated course page has been added.

S-341, GIS Specialist for Incident Management

New course page has been added.

S-375, Air Support Group Supervisor

Updated course page has been added.

S-390, Introduction to Wildland Fire Behavior Calculations

Updated course page has been added.

S-403, Information Officer

Deleted "Qualified as an information officer type 3 (IOF3)." from the Course Prerequisites.

S-445, Incident Training Specialist

Add note regarding the deletion of the Wildland and Prescribed Fire Qualification System National Training Curriculum Modules from the Publications Management System.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #20**

Effective Date: December 12, 2006

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

I-401, Multi-Agency Coordination

Course page and reference in index have been deleted. The I-401 course material has been incorporated into the 2006 version of I-400.

RT-273, Single Engine Air Tanker Manager Workshop

Course page and workshop format criteria have been added.

RT-372, Helicopter Manager Workshop

Course page and workshop format criteria have been added.

RX-300, Prescribed Fire Burn Boss

Replaced reference to Ignition Specialist in Target Group and Course Prerequisites.

S-234, Ignition Operations

Added note about the deletion of the Wildland Fire Tactics Guide referenced in this course. Replaced reference to Ignition Specialist in the Target Audience and Minimum Instructor Qualifications.

S-340, Human Resource Specialist

Updated course page has been added.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #21**

Effective Date: February 28, 2007

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

Introduction Section

Added language on 'Submitting Comments/Recommendations to this Guide' and 'Courses Referenced in this Guide'.

Added language on "Use of NWCG Certificates".

Index

Added NARFI courses.

NAFRI Page

Deleted reference page to NAFRI courses.

D-510, Supervisory Dispatcher

Added course description.

I-100, IS100, Q462, Introduction to ICS

Added interchangeable language to course description.

I-300, G300, H465, Intermediate ICS: ICS for Supervisors and Expanding Incidents

Updated index and added course page.

I-400, G400, H467, Advanced ICS: ICS for Command and General Staff and Complex Incidents

Updated index and added course page.

M-580, Fire in Ecosystem Management

Added course description.

M-581, Fire Program Management

Added course description.

RT-130, Annual Fireline safety Refresher Training

Changed course prerequisites.

RX-510, Applied Fire Effects

Added course description.

S-200, Initial Attack Incident Commander

Updated course page has been added.

S-230, Crew Boss (Single Resource)  
Changed minimum instructor qualifications.

S-339, Division/Group Supervisor  
Updated course prerequisites.

S-520, Advance Incident Management  
Added course description.

S-580, Advanced Fire Use Applications  
Added course description.

S-590, Advanced Fire Behavior Interpretation  
Added course description.

S-620, Area Command  
Added course description.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #22**

Effective Date:        May 1, 2007

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

Guide Footer

Added year to the footer.

I-100, Introduction to ICS (Spanish Version)

Added course description for the Emergency Management Institute's Spanish version of the course.

I-402, G402, ICS Overview for Executives/Senior Officials

Replaced course description with reference to the Emergency Management Institute's course.

S-190, Introduction to Wildland Fire Behavior (Spanish Version)

Added new course description for the Spanish version.

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

Update Target Group, Minimum Instructor Qualifications and Course Prerequisites.

S-290, Intermediate Wildland Fire Behavior, CD-ROM

Delete course page and index reference.

S-300, Incident Commander – Extended Attack

Changed Minimum Instructor Qualifications.

S-347, Demobilization Unit Leader

Changed Course Prerequisites.

S-371, Helibase Manager

Updated course page has been added.

S-390, Introduction to Wildland Fire Behavior Characteristics

Changed Target Group.

S-403, Information Officer

Changed information officer type 2 (IOF2) reference to public information officer type 2 (PIO2).

S-400, Incident Commander; S-420, Command & General Staff; S-440, Planning Section Chief; S-460, Finance/Administration Section Chief

Added note regarding replacement of ICS Incident Planning at Work (NFES 2042) with the DVD Planning Process for All Risk Incidents (NFES 2952).

S-450, Logistics Section Chief

Changed Course Prerequisites.



**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #23**

Effective Date:       September 27, 2007

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

Document Pagination

Document set for double sided printing.

Position on Course Presentation and Materials & Course Length for NWCG Courses

Updated language.

Course Level Descriptions

Add language on the four course exceptions to the established course numbering protocol.

D-110, Expanded Dispatch Recorder

Updated course page.

D-510, Expanded Dispatch Supervisory Dispatcher

Updated Course Title, Course Description, Target Group and Course Prerequisites.

I-400, G400, H467, ADVANCED ICS: ICS for Command and General Staff and Complex Incidents

Changed course hours.

L-180, Human Factors on the Fireline

Updated language in Course Description.

L-280, Followership to Leadership

Updated pre-work reference in Course Prerequisites.

L-381, Incident Leadership

Updated Course Description and pre-work reference in Course Prerequisites.

L-480, Incident Management Team (IMT) Leadership

Added course.

P-101, Fire Prevention Education 1

Updated course page and index.

P-310, Fire Prevention Education Team Member

Added course.

RX-510, Applied Fire Effects

Added “Revised Annually” to header.

Updated Course Prerequisites.

S-231, Engine Boss (Single Resource)

Added note about the deletion of the Wildland Fire Tactics Guide referenced in the pre-course work.

S-244, Field Observer

Updated course page.

S-245, Display Processor

Updated course page.

S-271, Helicopter Crewmember

Updated Course Description.

Added note about A-219 being included as part of the course.

S-371, Helibase Manager

Updated course page.

S-590, Advanced Fire Behavior Interpretation

Added offering information to course page header.

Updated Target Group, Course Prerequisites and Software Information.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #24**

Effective Date: November 30, 2007

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

Document Pagination

Document set back to single sided printing and easier web viewing.

FI-210, Wildland Fire Origin and Cause Determination

Updated Course Prerequisites.

I-300, Intermediate ICS: ICS for Supervisors and Expanding Incidents

Fixed error in course title line – H-456 to H-465.

L-280, Followership to Leadership

Updated Course Prerequisites.

L-380, Fireline Leadership

Updated Course Prerequisites.

L-381, Incident Leadership

Updated Course Prerequisites.

S-130, Firefighter Training

Add note to bottom of page regarding removal of the Clues and DECIDE wallet card (NFES 2148) and Do's and Don'ts of HazMat card (NFES 2149) as referenced in the course from the Publication Management System.

S-290, Intermediate Wildland Fire Behavior

Updated course page with 2007 version.

S-372, Helicopter Management

Updated anticipated certification date to 2008.

S-492, Long Term Fire Risk Assessment

Updated Course Prerequisites.

**FIELD MANAGER'S COURSE GUIDE**  
**ERRATA SHEET #25**

Effective Date:        May 8, 2008

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

Course Prerequisites

Added new language regarding intent of course prerequisites to the front of the FMCG.

Instructor Certification

Added new language and table for the Instructor Certification to the front of the FMCG.

Use of NWCG Certificates

Added additional language on who will be issued an NWCG certificate.

D-310, Expanded Dispatch Support Dispatcher

Updated course page and course name in index (2007 version).

P-410, Fire Prevention Education Team Leader

Added course page (2008 version).

S-130, Firefighter Training (On-Line Version)

Added course page (2008 version).

S-130, Firefighter Training (Self-Paced CD Version)

Added course page (2008 version).

S-190, Introduction to Wildland Fire Behavior (On-Line Version)

Added course page (2008 version).

S-190, Introduction to Wildland Fire Behavior (Self-Paced CD Version)

Added course page (2008 version).

S-203, Introduction to Incident Information

Updated course page (2008 version).

S-212, Wildland Fire Chain Saws

Changed course hours to 24-36 to match the course.

S-233, Tractor Plow Boss (Single Resource)

Change course hour to 12-16 to match the course.

S-261, Applied Interagency Incident Business Management

Updated course page (2007 version).

S-271, Helicopter Crewmember

Update web link for Course Alert.

S-300, Extended Attack Incident Commander

Updated course page and course name in index (2008 version).

S-346, Situation Unit Leader

Updated course page (2008 version).

S-404, Safety Officer

Changed error on course hours to match the course (24 hrs).

S-520, Advanced Incident Management

Added interchangeable language for CIMC to course description.

FIELD MANAGER'S COURSE GUIDE  
ERRATA SHEET #26

Effective Date: November 2008

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

Instructor Certification/Qualification

Edited language.

Course Administration

Edited language.

Use of NWCG Certificates

Edited language.

D-510, Expanded Dispatch Supervisory Dispatcher

Updated Course Description, Objectives and Course Prerequisites.

I-100 thru I-402

Added DHS/FEMA 'ICS' codes to course information.

L-180, Human Factors in the Wildland Fire Service

Updated course page and course name in index (2008 version).

L-280, Followership to Leadership

Updated course page (2008 version).

L-480, Incident Management Team (IMT) Leadership

Amended course objectives.

RX-510, Applied Fire Effects

Added Course Goal and amended Target Group.

S-212, Wildland Fire Chain Saws

Amended course prerequisites.

S-481, Incident Business Advisor

Added course page (2008 version).

S-490, Advanced Fire Behavior Calculations

Updated course page (2008 version).

S-590, Advanced Fire Behavior Interpretations

Amended Course Objectives, Course Prerequisites and Course Hardware Requirements.