

HANDBOOKS GUIDES PAMPHLETS VISUAL MATERIALS

Items in this section are grouped by *subject as shown below in the contents listing* and then listed alphabetically by title with the publication date in parenthesis, the NFES number (ordering number) and a general description of content. Reference numbers, if applicable, are given at the end of the description. "

The majority of the items contained in this section are sponsored by NWCG or NWCG Working Teams. The NWCG Working Teams are grouped to reflect the concerns of the interagency wildland fire community. Currently, the NWCG Working Teams are:

TWT--Training Working Team
IOSWT--Incident Operations Standards Working Team
PECWT--Prevention, Education and Communication Working Team
RXWT--Prescribed Fire and Fire Effects Working Team
FEWT--Fire Equipment Working Team
SHWT--Safety and Health Working Team
IBPWT--Incident Business Practices Working Team

All items sponsored by NWCG and NWCG Working Teams support the National Interagency Incident Management System (NIIMS). NIIMS has five major subsystems: Incident Command System (ICS), Training, Qualifications and Certification, Publication Management, and Supporting Technology.

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Aviation

AIRCRAFT IDENTIFICATION GUIDE (1994)

NFES 2393 \$ 1.00

A 43-page guide comprised of drawings depicting aircraft commonly used during wildland fire suppression efforts. Drawings are divided into the following categories: lead planes & airtankers; smokejumper/transport; light fixed-wing; large transport; helicopters. This information is for aircraft identification and familiarization only.

**BASIC AVIATION SAFETY STUDENT GUIDE (1991)

NFES 2097 \$.50

An USDI Office of Aircraft Services sponsored publication. Updated version of handout and student materials used in Basic Aviation Safety class. This guide is a condensed, checklist version of highlights from course. The guide covers helicopter safety, helicopter capabilities and limitations, personal protective equipment, airplane safety, airplane capabilities and limitations. This is a reference publication for S-217.

FOAM VS FIRE: AERIAL APPLICATIONS (1995)

NFES 1845 \$.75

The third and last pamphlet in the Foam vs. Fire series. Explains Class A foam characteristics and properties, personal safety and environmental concerns when using Class A foam, aerial application proportioning systems, and tactical application for fixed- and rotor-wing operations. PMS 446-3.

**HELICOPTER HAND SIGNALS (11/89)

NFES 0530 \$.10

Printed 5½" X 8½" helicopter hand signals used by helicopter support personnel. (Helicopter Hand Signals are also found in the Fireline Handbook.)

**HELOSAFE (Helicopter Operation Safety) (1988)

NFES 2090 \$ 3.00 videotape, VHS (13:00 minutes)

An USDI Office of Aircraft Services sponsored videotape about helicopter safety. Addresses approaching, entering and exiting a helicopter and use of seatbelts.

**INTERAGENCY AIRTANKER BASE DIRECTORY

NFES 2137 \$15.00 binder

NFES 2537 content pages (1997) under revision, cost unknown.

The directory is intended to aid wildland fire managers, pilots, and contractors in the use of airtanker bases. The directory is not intended to supersede any regulation, authority, local procedure, FAA regulation, laws, common sense or a pilot's discretion. It is up to the user to check the accuracy of the information. The directory will be revised and published annually.

INTERAGENCY AIR TANKER BASE OPERATIONS GUIDE (1993)

NFES 2271 \$18.00

An interagency guide for air tanker bases. Objectives of this guide are to: define and standardize national, interagency operating procedures at all air tanker bases; provide checklists, orientation outlines and special instructions for both contractor employees and Government employees at air tanker bases. The guide also provides indepth instructions on forms used at an air tanker base. ANTICIPATED REVISION 1998. PMS 444-3.

new!

****NON-NWCG ITEM**

****INTERAGENCY AVIATION TECHNICAL ASSISTANCE DIRECTORY (1997)**

NFES 2512 \$.50

This annual publication is used by all aviation groups of federal wildland fire agencies. Produced by the USDA Forest Service Aviation Group, NIFC. Contains names, addresses and phone numbers of aviation representatives for all federal agencies.

****INTERAGENCY HELICOPTER OPERATIONS GUIDE (1994)**

NFES 1885 \$15.00

The procedures contained in this guide apply to helicopter operations conducted by providers and users of helicopters from participating agencies. The guide addresses both incident and project helicopter operations. Objectives of the guide include 1) promote safe, cost-efficient and effective aviation services in support of agency and interagency goals and objectives, 2) define and standardize national, interagency helicopter management and operational procedures for helicopter users from participating agencies. This comprehensive document has 17 chapters and 13 appendices. Chapter titles are: Personnel; Operational Planning; Flight Following, Resource Tracking, and Communications; Vendor Personnel and Equipment: Approval and Carding; Helicopter Capabilities and Limitations; Helicopter Load Calculations and Manifests; Helicopter Landing Areas; Equipment Requirements and Maintenance; Personnel Transport; Cargo Transport; Fire Protection and Crash-Rescue; Fueling Operations; Helicopter Maintenance; Helibase and Helispot Management and Operations; Law Enforcement; Search and Rescue Operations. The document is printed looseleaf, 8½" X 11", ready to be inserted into a 3-ring binder. Tab dividers are provided. A 4", 3-ring binder will contain all pages and allow room for local inserts. Binder(s) need to ordered separately. Users may want to insert the entire document into one 4" binder, or may divide the document into sections of personal determination and insert into 2" or 1" binders. Any of the following binders may be ordered for this document:

NFES 2287	\$10.00	4" black binder
NFES 2375	\$ 4.00	2" black binder
NFES 2068	\$ 3.00	1" black binder

INTERAGENCY RETARDANT BASE PLANNING GUIDE: FIXED AND ROTOR WING (1995)

NFES 1259 \$ 3.00

The intent of this guide to provide interagency airtanker base minimum planning criteria, insuring a cost-effective and efficient operation. The guide shows minimum planning criteria and is to used by all wildfire agencies when designing new bases or modifying/expanding existing bases. The designers of future airtanker bases should be aware of minimum interagency requirements. A portable airtanker base can be designed and setup using the contents of this guide. PMS 440-1.

****THE PROFESSIONAL HELICOPTER PILOT SUPPORTING WILDLAND FIRE SUPPRESSION**

NFES 2002 \$ 3.00 Part I (1993)

NFES 2487 \$ 3.00 Part II (1995)

PART 1: introduces the unique circumstances of flying specialized, fire missions for land management agencies. The video is designed for pilots in fire suppression assignments, but is also helpful for helicopter support and management personnel in understanding a pilot's mission. 16 minutes, VHS.

PART 2: discusses helicopter safety for the pilot and helitack crew; duties of the HECM such as load calculations and manifesting procedures, outlines duties and responsibilities of air operations positions. Pilot responsibilities stressed are radio communications, fire size-up, landing areas and safety decision factors, bucket work considerations, rappelling considerations, value of aerial reconnaissance, and fueling. Sponsored by the USDA-FS and USDI-BLM Aviation Groups. 19:08 minutes, VHS.

****USDA/USDI AIRCRAFT RADIO COMMUNICATIONS AND FREQUENCY GUIDE**

NFES 0969 \$15.00 binder only

NFES 2969 content pages (1997) under revision, cost unknown.

Sponsored and written by the NIFC Communications and Electronics Branch, the content pages provide frequencies needed by pilots on fire missions.

10 PRINCIPLES OF RETARDANT APPLICATION (1992)

NFES 2048 \$.25

Wallet-sized card with 10 principles to consider with airtanker retardant drops. Card has been revised to include coverage level chart. PMS 440-2.

****NON-NWCG ITEM**

Fire: Behavior, Effects, Weather

AIDS TO DETERMINING FUEL MODELS FOR ESTIMATING FIRE BEHAVIOR (1982)

NFES 1574 \$1.00

Presents photographs of wildland vegetation appropriate for the 13 fuel models used in mathematical models of fire behavior. Fuel model descriptions include fire behavior associated with each fuel and its physical characteristics. A similarity chart cross-references the 13 fire behavior fuel models to the 20 fuel models used in the National Fire Danger Rating System. PMS 435-1, GTR INT-122.

ATMOSPHERIC CONDITIONS RELATED TO BLOWUP FIRES (1954)

NFES 2239 \$.60

Reprint of a 1954, 30-page report that presents some of the results of a four-year study on atmospheric factors contributing to blowup fires. The approach used in the study consisted of case-history procedure accompanied by theoretical and analytical work in fire physics. Reference publication for S-490. USDA Southeastern Forest Experiment Station Paper No. 35, PMS 815.

BEHAVE PROGRAM AND PUBLICATIONS:

revised!

BEHAVE: FIRE BEHAVIOR PREDICTION AND FUEL MODELING SYSTEM (1996)

NFES 1886 \$2.00

RELEASE 4.3. 3½" computer diskette with following programs: NEWMDL 4.0; TSTMDL 4.1; FIRE1 4.1; FIRE2 4.1; RXWINDOW 4.0.

BEHAVE: FIRE BEHAVIOR PREDICTION AND FUEL MODELING SYSTEM

BURN SUBSYSTEM, PART 1 (1986)

NFES 0276 \$ 2.00

The BEHAVE fire behavior prediction and fuel modeling system is a set of interactive computer programs. The BEHAVE system is made up of two subsystems: the fire-behavior prediction subsystem, BURN, and the fuel modeling subsystem, FUEL. This manual describes the BURN subsystem, part 1. This manual covers operation of the computer program, including a detailed example run in the appendix. Fire behavior predictions that can be obtained include rate of spread, flame length, intensity area, perimeter, attack force requirements, and spotting distance. Potential applications of BEHAVE are dispatch of initial attack forces, wildfire growth predictions, prescribed fire planning, and training. NFDRS and BEHAVE are compared. GTR INT-194, PMS 439-2.

BEHAVE: FIRE BEHAVIOR PREDICTION AND FUEL MODELING SYSTEM

BURN SUBSYSTEM, PART 2 (1989)

NFES 0277 \$ 2.00

This publication covers additions that have been made to the BURN subsystem since BURN part 1 was written. This book describes additions to the FIRE1 program and the new FIRE2 program. The information in part 1 is still valid. Worksheets for all modules in the FIRE1 and FIRE 2 programs are in this book. References are made in this book to part 1 and the author makes the assumption that the reader is familiar with BEHAVE. GTR INT-260, PMS 439-3.

BEHAVE: FIRE BEHAVIOR PREDICTION AND FUEL MODELING SYSTEM

FUEL SUBSYSTEM (1984)

NFES 0275 \$ 2.00

The BEHAVE system is a set of interactive computer programs that (1) permit construction of site-specific fire behavior fuel models, and (2) contain state-of-the-art wildland fire behavior prediction procedures that will be periodically updated. This manual documents the fuel modeling portion of BEHAVE. New and simplified procedures for collecting fuels data are described. Instructions are provided for the use of two programs: (1) NEWMDL, which is used to construct a "first draft" fuel model from raw field data, and (2) TSTMDL, which is used to test new fuel models and adjust them until they produce reasonable fire behavior predictions. An extensive section describes concepts and technical aspects of fuel modeling. GTR INT-167, PMS 439-1.

new!

RXWINDOWS: DEFINING WINDOWS OF ACCEPTABLE BURNING CONDITIONS BASED ON DESIRED FIRE BEHAVIOR (1990)

NFES 1803 \$5.00

The program RXWINDOW is intended to help fire managers develop prescription windows based on desired fire behavior. It is the fifth program in the BEHAVE fire behavior prediction and fuel modeling system. It reverses calculations found elsewhere in the BEHAVE. In RXWINDOW, the user specifies acceptable fire behavior (rate of spread, flame length, intensity, scorch height, tree mortality) and the program determines appropriate combinations of environmental conditions (fuel moisture and wind). PMS 439-4, GTR INT-273.

LEARN TO BEHAVE: A SELF STUDY USERS GUIDE TO THE BEHAVE: FIRE BEHAVIOR PREDICTION AND FUEL MODEL SYSTEM, PART 1-FIRE1 AND FIRE2 PROGRAMS IN THE BURN SUBSYSTEM (1993)

NFES 2288 \$ 10.00 text pages

NFES 2375 \$ 5.00 2" black, 3-ring binder for text pages

A self-study guide designed to be a hands-on, how-to instruction about how to operate the BEHAVE system. Prerequisite courses are S-290 and S-390. Text pages are 8½" X 11", predrilled to be inserted into 3-ring binder. The binder listed above may be ordered or any standard 3-ring binder may be used.

FIRE BEHAVIOR WORKSHEETS FOR BEHAVE: FIRE1 & FIRE2 PROGRAMS (1993)

NFES 2289 \$.20

Set of worksheets to be used with BEHAVE FIRE1 & FIRE2 programs.

CHARTS FOR INTERPRETING WILDLAND FIRE BEHAVIOR CHARACTERISTICS (1982)

NFES 0274 \$.40

The fire characteristics chart is proposed as a graphical method of presenting two primary characteristics of fire behavior: spread rate and intensity. Its primary use is communicating and interpreting either site-specific predictions of fire behavior or National Fire Danger Rating System (NFDRS) indexes and components. Specific examples illustrate use of a fire characteristics chart in conjunction with fire prescriptions, fire behavior forecasts, fire management plans, and briefings. PMS 435-2, GTR INT-131.

FIELD PROCEDURES FOR VERIFICATION AND ADJUSTMENT OF FIRE BEHAVIOR PREDICTIONS (1983)

NFES 2183 \$.50

****NON-NWCG ITEM**

The problem of verifying predictions of fire behavior, primarily rate of spread, is discussed in terms of the fire situation for which predictions are made, and the type of fire where data are to be collected. Procedures for collecting data and performing analysis are presented for both readily accessible fires where data should be complete, and for inaccessible fires where data are likely to be incomplete. The material is prepared for use by field units, with no requirements for special equipment or computers. Procedures for selecting the most representative fuel model, for overall evaluation of prediction capability, and for developing calibration coefficients to improve future predictions are presented. Illustrated examples from several fires are included. The material is a companion publication to the fire prediction manual titled, "How to Predict the Spread and Intensity of Forest and Range Fire." GTR INT-142, PMS 436-2.

FIRE BEHAVIOR FIELD REFERENCE GUIDE (1992)

NFES 2224 \$10.00 FIELD REFERENCE GUIDE
NFES 2231 \$ 2.00 RULER, 10-SCALE, CLEAR PLASTIC
NFES 2232 \$ 2.00 PROTRACTOR, 0--360 °, CLEAR PLASTIC

This guide is a collection of the best available information related to calculating and predicting fire behavior. It is intended to be a reference which can be taken to the field and therefore is not a comprehensive publication of the related topics. The guide contains basic information of the topics of fuels, fuel moisture, weather, slope, fire behavior predictions, and fire behavior interpretations. The two rulers listed should be ordered and added to the guide.

FIRE BEHAVIOR IN THE WILDLAND/URBAN INTERFACE (1990)

NFES 2132 \$ 3.00 videotape, VHS (26 minutes) (1990)
NFES 2273 \$.nc pamphlet (1992)

Wildland Urban/Interface fires have caused the need for structure and wildland firefighters to be aware of tactical and safety differences for both types for fire. Wildland fire steps for sizing up a fire and structure triage are discussed. PMS 470.

FIRE BEHAVIOR NOMOGRAMS (1992)

NFES 2220 \$.40

The 13 fire behavior nomograms from the publication "How to Predict the Spread and Intensity of Forest and Range Fires" have been reprinted separately for field and classroom use. Nomogram 7 has been updated in this version. PMS 436-3.

FIRE BEHAVIOR PREDICTION AND DANGER RATING WITH THE HP71B CALCULATOR (1986)

NFES 1593 \$12.00 SELF STUDY GUIDE

The intent of the self-study guide is to provide instruction on the operation of the calculator and the running of the fire behavior prediction and danger rating programs. It is intended to provide instruction on "button-pushing" only. It is assumed you have completed the formal TI-59 training course or the new S-390 course. Methods used to obtain inputs to the fire behavior prediction and danger rating programs and the interpretation and use of program outputs will not be presented in the guide. PMS 438-2. The Instructor's Guide (PMS 438-1) is available only through Forest Service Regional Training Officers.

FIRE BEHAVIOR SUPPLEMENT, FIRELINE HANDBOOK APPENDIX B (1993)

NFES 2165 \$ 1.00

Provides basic fire behavior information that enable a person with a moderate level of fire behavior training (S-390) to predict and calculate some basic elements of fire behavior, fire size, and control force requirements. PMS 410-2.

FIRE BEHAVIOR WORKSHEETS FOR HP-71B CALCULATOR (1991)

NFES 2184 \$.50

The worksheets for the HP-71B provide the user with a format from which to develop and document fire behavior predictions. Although the worksheets were developed for the HP-71B calculator, they can be modified and used with "Behave" and the "Fire Behavior Nomograms." PMS 438-4.

FIRE ENVIRONMENT CONCEPT (1972)

NFES 2166 \$.50

Environment has been defined as "surrounding conditions, influences, and forces that influence or modify." In applying this definition to fire, the pamphlet presents fire environment as the conditions, influences, and modifying forces that control the fire behavior. Fire behavior must obey physical laws. PMS 433.

****NON-NWCG ITEM**

FIRE MANAGEMENT VIDEOS (1994)

NFES 2436 \$ 4.00 Evolution of Policy: From Fire Control to Fire Management

NFES 1848 \$ 4.00 Fire Management in the National Park Service

The NWCG Training Working Team has endorsed these two videos as appropriate for agency fire management orientation training and certain external presentations. For best success, presentation in sequence with "Evolution of Policy: From Fire Control to Fire Management" shown first, then "Fire Management in the National Park Service" by an employee knowledgeable of federal fire management policy is recommended. Graduates of the national interagency "Fire Management for Agency Administrators" are excellent candidates for making such presentations.

"Evolution of Policy: From Fire Control to Fire Management" takes a generic interagency look at federal fire policy development, from the early days of land management to the present. Originally developed as a slide/tape presentation for the "Fire Management for Agency Administrators" course at the National Advanced Resource Technology Center, Marana, Arizona, it merits wide use as an excellent background reference. 12 minutes. VHS only. PMS 923.

"Fire Management in the National Park Service" definitively outlines current wildland fire policy in the NPS, as told by managers and practitioners in the field. Addresses the four key components of the program at the field level (suppression, prevention, research, prescribed fire) which are foundational to a successful fire management plan. 18 minutes. VHS only. PMS 924.

FIRE WEATHER (1994)

NFES 2236 \$ 4.00

This 39 minute VHS videotape about fire weather basics may be used in S-190 and S-290 training courses. PMS 425-2.

FIRE WEATHER (1970)

NFES 1174 \$ 3.77

A detailed text on weather and meteorology. PMS 425-1, AG HANDBOOK 360.

FUEL AND FIRE BEHAVIOR PREDICTION IN BIG SAGEBRUSH (1982)

NFES 2126 \$.50

Relationships between height of big sagebrush and crown area, fuel loading, bulk density, size distribution of foliage and stemwood, and fraction dead stemwood are presented. Based upon these relationships, modeled rate-of-spread and fireline intensity are shown for sagebrush ranging in height from 20 to 120 cm and in coverage from 10 to 40 percent. Verification of predicted fire behavior and applications are discussed. PMS 812, INT-290.

HANDBOOK FOR INVENTORYING SURFACE FUELS AND BIOMASS IN THE INTERIOR WEST (1982)

NFES 2125 \$1.00

Presents comprehensive procedures for inventorying weight per unit area of living and dead surface vegetation, to facilitate estimation of biomass and appraisal of fuels. Provides instructions for conducting fieldwork and calculating estimates of downed woody material, forest floor litter and duff, herbaceous vegetation, shrubs, and small conifers. Procedures produce the most accurate estimates in the Interior West; however, techniques for herbs, litter, and downed woody material are applicable anywhere. Includes computer program and card punching instructions for processing inventory data. PMS 810, GTR INT-129.

HOW TO PREDICT THE SPREAD AND INTENSITY OF FOREST AND RANGE FIRES (1983)

****NON-NWCG ITEM**

NFES 1573 § 3.00

Documents the procedures for estimating the rate of forward spread, intensity, flame length, and size of fires burning in forests and rangelands. It contains instructions for obtaining fuel and weather data, calculating fire behavior, and interpreting the results for application to actual fire problems. PMS 436-1, GTR INT-143.

MACK LAKE FIRE (1983)

NFES 2167 \$ 2.00

Describes the Mack Lake Fire near Mio, Michigan. Few documented wildfires have exceeded its average spread rate (2 mi/h) and energy release rate (8,800 Btu/ft/sec). The extreme behavior resulted from high winds, low humidity, low fuel moisture, and jack pine fuels. Horizontal roll vortices may have contributed to the death of one firefighter. (This pamphlet is used as reference for fire behavior courses and forthcoming prescribed fire courses.) PMS 404, GTR NC-83.

MEASURING FUEL MOISTURE CONTENT IN ALASKA:
STANDARD METHODS AND PROCEDURES (1984)

NFES 2127 \$ 2.00

Methods and procedures are given for collecting and processing living and dead plant materials for the purpose of determining their water content. Wildland fuels in Alaska are emphasized, but the methodology is applicable elsewhere. Guides are given for determining the number of samples needed to attain a chosen precision. Detailed procedures are presented for collecting fuel samples in the field, transporting them safely, and handling them in the laboratory. General guidelines for all live fuels and specific techniques for individual species are given. PMS 813, GTR PNW-171.

MEASURING MOISTURE CONTENT IN LIVING CHAPARRAL: A FIELD USER'S MANUAL
(1979)

NFES 2142 \$1.00

This manual standardizes procedures for determining the moisture content of living chaparral for use in a proposed statewide system of monitoring living fuel moisture. The manual includes a comprehensive examination of fuel moisture variations in California chaparral, and describes techniques for sampling these variations. Equipment needed to sample and determine living fuel moisture is discussed. Detailed procedures for collecting living fuel samples and processing the samples for moisture content are provided. GTR PSW-36, PMS 814.

NATIONAL FIRE DANGER RATING SYSTEM, USER'S GUIDE (1985)

NFES 1522 \$10.00

This guide was written to aid the forest manager and to help train observers. It describes the National Fire Danger Rating system and explains the standards and procedures involved in the system. Topics covered are weather stations, fire danger readings, how to take measurements, and how to interpret the results. The different ways of computing NFDRS are covered, as well as the procedures to decode the Remote Automatic Weather Station (RAWS) report. The guide also familiarizes the reader with the National Fire Weather Data Library at the Ft. Collins Computer Center. PMS 430-3.

NATIONAL WEATHER SERVICE FIRE WEATHER PROGRAM USER INFORMATION (1990)

NFES 2141 \$.70

Pamphlet describes NWS Fire Weather program services and products, gives explanation to weather terms, and lists Fire Weather offices. PMS 904.

STEPHAN BRIDGE ROAD FIRE CASE STUDY (1991)

NFES 2176 \$ 3.00

Pamphlet documents actions and observed fire weather during the Stephan Bridge Road Fire. The rapidly spreading wildfire swept across 5,916 acres of a wildland/urban interface area near Grayling, Michigan beginning May 8, 1990. More than 76 homes and 125 other structures, plus 37 vehicles and boats, were destroyed or heavily damaged during the approximately 5 hours in which the wind pushed the Stephan Bridge Road fire for a distance of more than eight miles. PMS 706-3.

****NON-NWCG ITEM**

Fire Equipment

FIRE EQUIPMENT STORAGE AND REFURBISHING STANDARDS (1994)

NFES 2249 \$ 2.00

A booklet identifying the storage and refurbishing standards for equipment and supplies that are part of the NFES national cache system. The standards have been established for all who maintain and refurbish fire equipment can maintain equipment to the same standard that the national cache system demands. PMS 448.

**FIRE STREAM CALCULATOR NOZZLE DISCHARGE & FRICTION LOSS CALCULATOR

NFES 0897 \$ 5.00

Slide-rule type device that can be used to calculate water flow per type of hose and nozzle being used. (source: commercial hose vendors)

FOAM VS FIRE: PUBLICATION SERIES

NFES 2270 \$.50

PRIMER (1992)

NFES 2246 \$ 1.00

CLASS A FOAM FOR WILDLAND FIRES (1993)

NFES 1845 \$ 1.00

AERIAL APPLICATIONS (1995)

PRIMER: this 9-page publication covers the basics of using class A foams and discusses their adaptability to present application equipment. PMS 446-2.

CLASS A FOAM FOR WILDLAND FIRES: this 30-page publication explains how to get the most firefighting punch from water by converting water to class A foam. Discusses how and why foam works. Explains drain time, expansion ratio, foam type, proportioning, aspirating nozzles and compressed air foam systems. Also discusses application for direct attack, indirect attack, mopup, structure protection, and safety considerations. Slightly revised from 1992 edition to clarify foam types descriptions, to update discussion of personal safety and environmental effects properties of approved products, and to address aerial suppression proportioning systems. PMS 446-1.

AERIAL APPLICATIONS: explains Class A foam characteristics and properties, personal safety and environmental concerns when using Class A foam, aerial application proportioning systems, and tactical application for fixed- and rotor-wing operations. PMS 446-3.

FOAM VS FIRE: VIDEOTAPE SERIES

NFES 2073 \$ 5.00

INTRODUCTION TO CLASS A FOAM (1989)

NFES 2219 \$ 5.00

THE PROPERTIES OF FOAM (1993)

NFES 2245 \$ 5.00

CLASS A FOAM PROPORTIONERS (1992)

NFES 2272 \$ 5.00

ASPIRATING NOZZLES (1992)

NFES 2161 \$ 5.00

COMPRESSED AIR FOAM SYSTEMS (1993)

NFES 2404 \$ 5.00

TACTICAL APPLICATIONS WITH CLASS A FOAM (1994)

INTRODUCTION TO CLASS A FOAM: a brief introduction to class A foam technology covering foam chemistry, foam generating equipment, and examples of foam application. 13 minutes, VHS. PMS 445-1.

THE PROPERTIES OF FOAM: explains how class A foam enhances the abilities of water to extinguish fire and to prevent fuel ignition. Basic foam concepts including drain time, expansion and foam type are explained. The 1993 version differs from the original 1992 videotape only in the way "foam types" are categorized: FROM "foam solution, fluid, dripping and dry" TO "foam solution, wet, fluid and dry." 15 minutes, VHS. PMS 445-2.

CLASS A FOAM PROPORTIONERS: explains how common foam proportioning devices, which add a measured amount of foam concentrate to a known volume of water, work. Advantages and disadvantages are presented. 24 minutes, VHS. PMS 445-3.

ASPIRATING NOZZLES: explains how aspirating nozzles make foam, the difference between low and medium expansion nozzles, and appropriate uses for each nozzle. 11 minutes, VHS.

****NON-NWCG ITEM**

PMS 445-4.

COMPRESSED AIR FOAM SYSTEMS: describes equipment, including water pumps, air compressors, drive mechanisms, and nozzles used to generate compressed air foam. Presents rules of thumb for simple and reliable foam productions. Explains procedures for safe operation. Compares compressed air foam to air-aspirated foam. Presents advantages and disadvantages of the system. 20 minutes, VHS. PMS 445-5.

TACTICAL APPLICATIONS WITH CLASS A FOAM: presents the objectives and techniques of applying class A foam during wildland fires. Explains 4 basic considerations for application and emphasizes techniques for direct attack, indirect attack and structure protection tactics. 8 minutes, VHS. PMS 445-6.

****INSTRUCTIONS FOR MARK 3 PUMP**

NFES 0871 \$.50

Printed page of instructions for Mark 3 pump.

LOT ACCEPTANCE, QUALITY ASSURANCE AND FIELD QUALITY CONTROL OF FIRE RETARDANT CHEMICALS (1995)

NFES 1245 \$ 2.00

This guide provides information needed for cost effectiveness and efficient management of the fire retardant chemical program. It contains direction for taking representative samples, preparing samples, and testing for specific weight, viscosity and salt content. Also covered are when and how to take corrective action and the importance of proper recordkeeping. Retardant formulations, by brands, are given, as well as details on 14 test procedures. This revised publication combines two guides that were previously printed separately: Field Quality Control of Fire Retardant Chemicals and Lot Acceptance and Quality Assurance Procedures. PMS 444-1.

****NATIONAL INCIDENT RADIO SUPPORT CACHE USER'S GUIDE (1997)**

NFES 0968 \$2.00

The guide contains the catalog, instructional information, and communication design drawings. The guide is revised annually.

NWCG NATIONAL FIRE EQUIPMENT SYSTEM CATALOGS

PART 1: FIRE SUPPLIES AND EQUIPMENT and CATALOG PART 2: PUBLICATIONS (1997)

NFES 0362 \$ 6.00

A concise listing of all materials available through the NFES caches, primarily for active incident ordering. Revised annually. PMS 449-1 and PMS 449-2.

SPARK ARRESTER GUIDES

NFES 1363 \$ 4.00 VOLUME 1: GENERAL PURPOSE AND LOCOMOTIVE (1996)

NFES 2363 \$ 4.00 VOLUME 2: MULTIPOSITION SMALL ENGINE (1995)

Volume 1: A compilation of information, lists and illustrations of qualified general purpose and locomotive spark arrester systems and engines, including their identifying markings, design and assembly. PMS 430-1, FS 5100-FIRE.

Volume 2: A compilation of information, lists and illustrations of qualified multiposition small engine spark arrester systems and engines, including their identifying markings, design and assembly. The intent of this guide is to provide field inspectors with adequate information to determine if an engine and exhaust system combination have been tested and qualified by the San Dimas Technology and Development Center as meeting the standard for spark arresting exhaust systems. PMS 430-2. VOLUME 2 UNDER REVISION, ANTICIPATED AVAILABILITY JUNE 1997; VERIFY BEFORE ORDERING!!

SPARK ARRESTERS & THE PREVENTION OF WILDLAND FIRES (1992)

NFES 2237 \$ 5.00

This videotape presents an introduction to the operation, identification and inspection of spark arresters. The video covers the use of the "Spark Arrester Guide" and "how to" field inspection techniques. The video is presented in five modules, each running 10--15 minutes, and is intended to raise the confidence level of field inspectors who are required to enforce agency fire prevention regulations. The five modules are: Introduction, General Purpose, Multiposition Small Engine, Off-road vehicle and Locomotive. 70 minutes, VHS. PMS 430-5.

THERMAL INFRARED USER'S GUIDE (1984)

NFES 1584 \$ 2.00

A variety of equipment ranging from simple, low capability instruments to technologically complex systems involving a variety of engineering disciplines is now available. These can be applied most effectively when the capabilities and limitations of each are recognized and considered. PMS 434-1.

****NON-NWCG ITEM**

WATER HANDLING EQUIPMENT GUIDE (1994)

NFES 1275 \$ 3.00

The primary objective of the guide is to provide wildland firefighting agencies a basic information document on water handling equipment. This guide contains equipment components that are (1) commercially available or economically reproducible, (2) interagency in scope or application, and (3) currently in use. Information contained in this latest edition has been completely updated to incorporate recently developed concepts in wildland fire organization, changes in equipment, and deletion of no longer used items. Information on foam generating equipment has been placed into a separate section. Agency-developed systems or components portrayed, but not available commercially as a unit, are included to promote standardization among agencies. PMS 447-1.

WEATHER STATION HANDBOOK: AN INTERAGENCY GUIDE FOR WILDLAND MANAGERS (1990)

NFES 1140 \$20.00 black 3-ring binder, 8½" X 11"

NFES 2140 \$ 4.00 paperback, 8½" X 11"

This handbook revises the obsolete "Fire-Weather Observer's Handbook, AG Handbook 494". This document is a comprehensive guide for the operation of weather stations providing data for wildland resource management, despite the predominant reference to fire-weather stations. Both manually operated and automatic-type weather stations are included. Part 1 discusses basic considerations that apply to both manual and automatic weather stations. The topics include station networks, site selection standards, equipment requirements, and data management. Part 2 pertains to manual stations, with four subdivisions describing the various weather instruments, their installation, observation procedures, and maintenance. Part 3 discusses automatic weather stations, with details focused mainly on remote automatic weather stations (RAWS). Numerous figures and photographs are included for illustration and easy reference. PMS 426-1.

WILDFIRE HANDTOOLS (1986)

NFES 2036 \$ 3.00

This video depicts demonstrated use of the basic firefighting tools. 17 minutes, VHS. PMS 402.

WILDLAND FIRE ENGINE COMPONENT GUIDE (1994)

NFES 1871 \$ 2.00

The objective of this guide is to assist wildland fire agencies in the selection of quality components for assembly into fire engines. It provides information on characteristics that should be considered to meet a wide range of wildland fire engine user requirements. Developmental flow charts show the progression of decisions that need to be made in the component selection process and show design inter-relationships. This guide is a companion publication of the Water Handling Equipment Guide. PMS 447-2.

new!

WILDLAND FIRE HOSE GUIDE (1995)

NFES 1308 \$4.00

This fire hose guide will provide valuable procurement information with a potential for considerable savings, especially in the area of care and maintenance of wildland fire hose. This guide will also serve as a primer and provide training information. Understanding the basic principles of hose construction, for the different types of fire hose and the intended used, will provide essential information for the proper selection of type of fire hose for the expected performance. In addition, this fire hose guide will provide a comprehensive reference for wildland fire hose. PMS 466.

Fire Training Administration

COURSE COORDINATOR'S GUIDE (1991)

NFES 2226 \$ 1.00

This guide is designed to provide administrative information to training officers, course coordinators, lead instructors and other managers presenting a training course, both NWCG-certified courses and courses that require some development. Provides general instructions for course planning, management, presentations and follow-up. PMS 907.

FIELD MANAGER'S COURSE GUIDE SUPPLEMENT (1992)

NFES 2194 \$.50

Discusses instructional and developmental needs processes to be used at the local and regional area. Also discusses the Multi-Agency Training Schedule. PMS 901-3.

FIRE MANAGEMENT INSTRUCTIONAL NEEDS (1992)

NFES 2189 \$.20

A booklet outlining the process to determine local or regional training needs. Lists all NWCG courses with room to add local courses. PMS 921-3.

FIRE MANAGEMENT INSTRUCTIONAL NEEDS SUMMARY (1992)

NFES 2217 \$.25 booklet, 8½" x 11"

NFES 2218 \$ 2.00 set of 7 wall-size charts, 24" x 31"

The booklet or the wall-size charts allow a method to summarize different offices or agencies information compiled on the Fire Management Instructional Needs, NFES 2189. PMS 921-4, PMS 921-4-WS.

INTERAGENCY TRAINING NOMINATION (1990)

NFES 2131 \$ 4.00 package of 100 forms

Form used by interagency fire training centers for trainee nomination to announced courses. PMS 921-2.

MULTI-AGENCY TRAINING SCHEDULE INFORMATION (1992)

NFES 2195 \$.75 package of 50 forms

Provides information about accessing information from and submitting information to the Multi-Agency Training Schedule. Also provides a format for submission.

NWCG NATIONAL FIRE EQUIPMENT SYSTEM CATALOG PART 2: PUBLICATIONS (1997)

NFES 3362 \$ 2.00

A listing with descriptions of courses, forms, publications and visual materials available for ordering through the NFES system. Includes those published through the NWCG Publication Management System. Made available separately for those offices that don't need or are prohibited from ordering from Part 1. Revised annually. PMS 449-2.

NWCG PUBLICATION MANAGEMENT SYSTEM PROCEDURES GUIDE (1992)

NFES 2268 \$ 1.00

Booklet explaining procedures used to authorize and submit NWCG publications.

NWCG PUBLICATION STANDARDS (1992)

NFES 2269 \$ 1.00

Booklet outlining NWCG publication standards.

TRAINING COURSE COMPLETION CERTIFICATE (1984)

****NON-NWCG ITEM**

NFES 1272 \$ 5.00 package of 100 certificates
Certificate of course completion to be used for NWCG certified courses. PMS 921-1

WILDFIRE PREVENTION TRAINING COURSE DEVELOPMENT GUIDELINES (1982)

NFES 1589 \$ 2.00
Describes entire wildfire prevention curriculum, developed based on job inventory and job performance requirements. PMS 900-1.

revised!

THE WILDLAND FIRE SUPPRESSION CURRICULUM: SOME QUESTIONS AND ANSWERS (1996)

NFES 2403 \$.50
Commonly asked questions with answers from NWCG Training Working Team regarding the wildland fire suppression curriculum. Discusses task books, ICS and skills courses and job aids. Reference for S-301.

BINDERS

NFES 2068 \$ 4.00 1" BINDER, BLACK, 3-RING
NFES 2375 \$ 4.00 2" BINDER, BLACK, 3-RING
NFES 2287 \$ 7.00 4" BINDER, BLACK, 3-RING
Black, 3-ring binders that may be ordered for course use.

Incident Finance/Administration

**CALL-WHEN-NEEDED HELICOPTER SERVICES CONTRACTS, MEDIUM AND HEAVYLIFT NATIONAL SERVICES, LIGHT REGIONAL SERVICES (1997)

NFES 2168 UNDER REVISION, COST UNKNOWN.

Also known as the "Green Book", this is a compilation of annual Call-When-Needed (CWN) helicopter contracts compiled by the USDI Office of Aircraft Services and USDA Forest Service. The primary purpose of the helicopter services is firefighting activities, however administrative use may be ordered. This contract book lists accepted helicopter companies. The CWN Helicopter Contracts are updated annually, usually available each spring. Versions of this contract from previous years are obsolete.

**INTERAGENCY CONTRACT INFORMATION FOR AIRTANKER, HELICOPTER, LARGE TRANSPORT, SMOKEJUMPER AIRCRAFT

NFES 2277 TEXT PAGES. UNDER REVISION, COST UNKNOWN.
(1997)

NFES 2276 \$ 5.00 binder only

Also known as the "yellow book", provides the annual contract information, with names and phone numbers of responsible contracting officers. Produced and sponsored for publication by the by the USDI Office of Aircraft Services and USDA Forest Service. The primary purpose of the aircraft services is firefighting activities. The contracts are updated annually, usually available each spring. Versions of this contract from previous years are obsolete.

INTERAGENCY INCIDENT BUSINESS MANAGEMENT HANDBOOK (1996)

NFES 1139 \$ 4.00 8½" X 11", text pages only

NFES 3139 \$ 3.00 paperback, half-size (5 ½" X 8 ½")

NFES 2160 \$ 9.00 3-ring yellow binder, 6" X 9"

Designed to aid participating agencies in working together in the business and administrative aspect of fire suppression. Describes procedures for maintenance of financial records for personnel, equipment and supplies. Relates to emergency procurement authority to support the suppression effort, cooperative agreements with other public agencies and the private sector, and claims against the US for property losses or damages and personal injury or death. PMS 902-1, NWCG HANDBOOK #2.

**NATIONAL INTERAGENCY MOBILE FOOD SERVICES & SHOWER FACILITIES CONTRACTS (1997)

NFES 1276 UNDER REVISION, COST UNKNOWN.

Also known as the "Blue Book", this contract is the current one used for catering and sanitation services at incidents. Written and sponsored for publication by the USDA FS Contracting Office at NIFC, published annually to reflect the current year's contract. Versions from previous years are obsolete. Contract-related catering and shower/sanitation forms (as referenced in this "Blue Book") are listed in forms section of this catalog.

****NON-NWCG ITEM**

Incident Organization and Management

BUILDING INTERAGENCY COOPERATION: A SIX-STEP PROCESS TO HELP YOU IMPROVE YOUR FIRE PROTECTION EFFECTIVENESS (1988)

NFES 2135 \$ 5.00 videotape, VHS (17:33 minutes)

An overview of the wildland/urban interface fire problem and general guidance for the actions that firefighting agencies can take to reduce the potential for disaster. Six steps toward accomplishing interagency cooperation are identified and discussed: obtain commitment, examine your problems, set goals and objectives, develop programs and policies, approve and implement the plan, evaluate and revise the program as needed. PMS 912-1.

EVALUATION GUIDE (1982)

NFES 1323 \$ 1.00

Provision has been made for evaluating the effectiveness of the Incident Command System during incidents that meet specified criteria. This document presents procedures for selection of evaluation team personnel, notification of personnel to serve on the team for a particular incident, procedures to be used in conducting ICS evaluation, the data collection forms and checklists to be used, other evaluation data sources, and the content and format of the written evaluation report. PMS 230-3.

EXPANDED DISPATCH JOB AIDS (1994)

NFES 2400 \$ 2.00

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. PMS 312.

FIRE INFORMATION OFFICER'S GUIDE (1982)

NFES 0383 \$ 2.00

Designed to provide guidance and direction for fire information officers (FIOs) and personnel assigned to information functions on an incident. The guide describes the responsibilities of the FIO function to the public and other agencies; provides guidelines for gathering and disseminating information, and for working with the various types of media. It is intended to be used as a working tool, containing pertinent information such as fire and media glossaries, media and fire personnel listing, suggestions for equipment and supplies. Revision of this guide is still pending. PMS 411-1.

FIRELINE HANDBOOK (1989)

NFES 0065 \$ 4.00 FIRELINE HANDBOOK (1989)

NFES 2165 \$ 1.00 APPENDIX B: FIRE BEHAVIOR SUPPLEMENT (1993)

FIRELINE HANDBOOK: a field reference guide for personnel of wildland fire agencies using the Incident Command System (ICS) in control of wildland forest and range fires. The Handbook contains information common to all agencies in the wildland fire community who utilize ICS. The objective of this handbook is to provide an interagency "nuts and bolts" pocket field guide for wildland fire suppression personnel. The handbook is organized so that fireline personnel need only carry that material which is needed to do their job on the fireline. As with all NWCG Handbooks, each agency may supplement or amend to meet agency needs. Agency supplements and amendments are obtained only through an agency's directives system and are not included in the generic handbook stocked at NIFC or the other NFES caches. UNDER REVISION, NO KNOWN AVAILABILITY DATE. NWCG HANDBOOK #3, PMS 410-1.

APPENDIX B: FIRE BEHAVIOR SUPPLEMENT: provides basic fire behavior information that enable a person with a moderate level of fire behavior training (S-290/S-390) to predict and

calculate some basic elements of fire behavior, fire size, and control force requirements.

****NON-NWCG ITEM**

new!

GLOSSARY OF WILDLAND FIRE TERMINOLOGY (1996)

NFES 1832 \$ 4.00

The objective of this glossary is to provide the wildland fire community a single document that covers wildland fire, prescribed fire and incident management terminology used by the NWCG member agencies. This document will help to improve communication and provide consistency for publications, courses, and incident management activities. PMS 205.

revised!

ICS OPERATIONAL SYSTEM DESCRIPTION (1996)

NFES 1355 \$ 1.00

The Incident Command System is the combination of facilities, equipment, personnel, procedures and communications operating within a common organizational structure, designed to aid in the management of resources at emergency incidents. It was developed through a cooperative interagency effort. The ICS is designed to be used for all kinds of emergencies and is applicable to both small day-to-day situations as well as very large and complex incidents. This publication is an operational system description of the ICS. PMS 120-1.

revised!

****MILITARY USE HANDBOOK (1997)**

NFES 2175 \$2.00

When all civilian resources are committed to national wildfire incidents, the National Interagency Coordination Center has the authority to request regular military mobilization to augment civilian resources. The purpose of this operational handbook is to provide: 1) a compendium of material about the lessons learned from use of military assets, 2) an overview of the mobilization process, 3) check lists that can be used to ensure the effective use of military resources. This operational guide is applicable for regular military assets. It does not apply to operations conducted by National Guard Units or regular military units working under a local Memorandum of Understanding. UNDER REVISION, ANTICIPATED AVAILABILITY MID-YEAR 1997. Verify before ordering.

NATIONAL INTERAGENCY INCIDENT MANAGEMENT SYSTEM TEAMWORK IN EMERGENCY MANAGEMENT (1984)

NFES 1354 \$.20

Brochure describing National Interagency Incident Management System (NIIMS). Scheduled revision 1998. PMS 700-1.

revised!

****NATIONAL INTERAGENCY MOBILIZATION GUIDE (1997)**

NFES 2091 \$ 5.00 looseleaf, unbound, 8½" X 11"

NFES 2092 \$ 3.00 paperback, half-size, 5½" X 8½"

This NICC produced, NIFC sponsored publication is updated annually, usually available each spring. Known also as the "Mobe Guide", the publication covers most current procedures and policies to be applied during mobilization. Also see booklet "Unit Identifiers".

POSITION MANUALS (1982)

NFES 1987	\$.75	FINANCE SECTION, ICS-224-1--5
NFES 1983	\$.50	INCIDENT COMMANDER & STAFF, ICS 220-1--4
NFES 1986	\$ 1.50	LOGISTICS SECTION, ICS 223-1--9
NFES 1985	\$ 1.50	OPERATIONS SECTION, ICS 222-1--9
NFES 1984	\$ 1.50	PLANNING SECTION, ICS 221-1--10

Each manual outlines key duties and gives checklists for the positions within each section.

RADIO FREQUENCY SHARING AGREEMENT (12/84)

NFES 1591	\$.20
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Blank agreement form. PMS 903-1.

STRATEGIC COMMUNICATIONS FOR WILDLAND FIRE MANAGEMENT (1992)

NFES 2252	\$.60	Facilitator Guide
NFES 2253	\$ 1.50	Discussion Guide
NFES 2254	\$.75	Handy Reference Card and Checklist Guide
NFES 2265	\$ 2.00	Video 1: Communicating the Wildland Fire Message
NFES 2266	\$ 3.00	Video 2: Dealing Successfully with the News Media, parts 1 & 2
NFES 2267	\$ 3.00	Video 3: Improving Community Relations by Managing Expectations

Strategic Communications for Wildland Fire Management was specifically designed to help wildland managers and spokespeople in their efforts to deal with today's media. The program is also being used to enhance Information Officer training. The video programs present proven strategies and techniques that can be used by everyone to be more effective in dealing with the press.

The print materials contain additional information to enhance the points made in the videos. These print materials are designed to be used as a "ready reference" to aid in dealing with the challenges of talking with the news media and other important audiences. While the concepts presented are of special interest to full-time public information personnel, the entire program has been designed to meet the needs of a wide range of wildland fire managers and agency administrators who might find themselves in a position of making tough communications decisions, or acting as a spokesperson during a difficult situation.

Designed to be used in a group workshop situation, a group facilitator needs to order each of the different components, printed and video. Each group participant will need a Discussion Guide and Handy Reference Card and Checklist Guide. Video 1: 24 minutes, video 2: 45 minutes and video 3: 20 minutes, VHS. PMS 915-1--7.

"T" CARD (RESOURCE STATUS CARD) SORTER

NFES 1352	\$13.21
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Canvas, w/grommets and pockets to arrange "t" cards at an incident. 45½" x 17¼"

UNIFIED COMMAND (1985)

NFES 1466	\$ 1.00	pamphlet
NFES 1507	\$ 4.00	videotape, VHS (34 minutes)

Booklet and videotape explaining the concept of Unified Command. PMS 910.

revised!

****UNIT IDENTIFIERS (1997)**

NFES 2080	BEING REVISED, COST UNKNOWN.
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****NON-NWCG ITEM**

This NICC-produced publication lists identifiers used for the mobilization of resources that are provided by wildland fire agencies. The identifiers are unique for each agency and office when combined with the state alpha code. Whether used for resource ordering, situation reporting, resource tracking, etc., the identifiers reflect jurisdictional responsibility. The purpose of this publication is to provide a list of identifiers used at the national level.

Incident Qualification/Certification

ICS QUALIFICATION CARD (1994)

NFES 1518 \$ 25.00/BX (1,000 cards/BX) Perforated 8½" wide, tractor feed, continuous forms.

NFES 1528 \$50.00/PG (500 sheets/4 cards per sheet/PG) Laser printer compatible. The Qualification Card is a wallet-sized card used to identify an individual's qualified and trainee positions for wildland fire assignments. These preprinted cards have the information field blocks printed on each card. An individual's specific qualifications can be typed or computer inserted within the blocks. The back of the card provides preprinted blocks for recording individual fire assignments. Agencies are encouraged to provide their jurisdictional field offices with smaller quantities if needed. PMS 310-3, 310-4.

ICS EXPERIENCE RECORD (Card) (1994)

NFES 1519 \$ 25.00/BX (1,000 cards/BX)

The Experience Record is a supplemental card to the Qualification Card. It is for use by those individuals who may have more than 13 incident assignments a year. It provides a convenient wallet-sized card on which an individual can record additional experience in the proper format for data entry into the Department of the Interior and USDA Forest Service qualification systems. Preprinted blocks on each card allow individuals to write in actual experience. Printed as 8½" wide, tractor feed, continuous forms. NOTE: Agencies are encouraged to provide their jurisdictional field offices with smaller quantities if needed. PMS 310-5.

NIIMS COMPLETE SET OF QUALIFICATION DOCUMENTS (1993)

NFES 2223 \$15.00

Reference set for offices/managers. Shrink wrapped set containing NIIMS Wildland Fire Qualification Guide, NIIMS Task Book Administrator's Guide, and one copy of each of the NIIMS Positions Task Books. Offices may also order each item separately to fill employee needs. PMS 309-1. (Offices may want to order NFES 2287, 4" black, 3-ring binder to contain this document set.)

NIIMS TASK BOOK ADMINISTRATOR'S GUIDE (1993)

NFES 1556 \$ 1.00

The purpose of this guide is to provide instructions and guidance for the use of NIIMS Position Task Books in the qualification of personnel for positions included in the NIIMS Wildland Fire Qualification Subsystem Guide. The Task Book Administrator's Guide is designed for use by managers, training specialists, evaluators, and others who may be in a position of administering the qualifications process. The refers to, but does not repeat, information contained in the NIIMS Wildland Fire Qualification Subsystem Guide. Next scheduled revision of this document is 1997. PMS 330-1.

NIIMS WILDLAND FIRE QUALIFICATIONS SUBSYSTEM GUIDE (1993)

NFES 1414 \$1.50 PART 1: WILDLAND FIRE (1993)

NFES 2479 \$1.00 PART 2: PRESCRIBED FIRE (1995)

PART 1: provides guidance to participating agencies and organizations for the establishment of standards for wildland firefighting personnel. Personnel meeting the established standards are qualified for mobilization beyond their geographical area. The qualification system described in the guide is a performance based qualification system. Components of the qualification subsystem are: position task books (primary criteria for qualification is individual performance as observed by an evaluator using approved standards); training courses and job aids; and agency certification. A glossary of qualification terms is included. Next scheduled revision of this document is 1997. PMS 310-1.

****NON-NWCG ITEM**

PART 2: establishes minimum training, skills, knowledge and experience standards for prescribed fire personnel working on prescribed fire activities (management-ignited fires and prescribed natural fires). Personnel meeting the established standards are qualified for participation on interagency prescribed fires of moderate complexity or higher. Personnel who are certified in a position prior to the implementation of this subsystem may retain such certification at the discretion of their agency. To qualify in any other position, the individual must meet the standards identified for prescribed fire of moderate and above complexity levels involving multi-agency participation. Standards may be augmented to meet specific needs within an agency, but cannot be imposed on cooperators. PMS 310-1 Part 2.

NIIMS TASK BOOKS FOR THE POSITION OF: (1993)

Offices should order a NIIMS Task Book for each employee based on the position(s) for which each employee is seeking qualification. Employees will not require NIIMS Task Books for positions for which they are already qualified.

NFES 2300	\$.50	Incident Commander Type 1 (ICT1)/Type 2 (ICT2) PMS 311-01
NFES 2301	\$.50	Incident Commander Type 3 (ICT3) PMS 311-02
NFES 2302	\$.50	Incident Commander Type 4 (ICT4) PMS 311-03
NFES 2303	\$.50	Safety Officer Type 1 (SOF1)/Type 2 (SOF2) PMS 311-04
NFES 2304	\$.50	Liaison Officer (LOFR) PMS 311-05
NFES 2305	\$.50	Information Officer Type 1 (IOF1)/Type 2 (IOF2) PMS 311-06
NFES 2306	\$.50	Information Officer Type 3 (IOF3) PMS 311-07
NFES 2309	\$.50	Operations Section Chief Type 1 (OSC1)/Type 2 (OSC2) PMS 311-08
NFES 2310	\$.50	Division/Group Supervisor (DIVS) PMS 311-09
NFES 2311	\$.50	Task Force Leader (TFLD) PMS 311-10
NFES 2312	\$.50	Strike Team Leader: Crew (STCR); Engine (STEN); Dozer (STDZ); Tractor/Plow (STPL) PMS 311-11
NFES 2317	\$.50	Crew Representative (CREP) PMS 311-12
NFES 2318	\$.50	Single Resource Boss: Crew (CRWB); Engine (ENGB); Dozer (DOZB); Tractor/Plow (TRPB); Felling (FELB); Firing (FIRB) , PMS 311-13
NFES 2319	\$.50	Advanced Firefighter/Squad Boss (FFT1) PMS 311-14
NFES 2320	\$.50	Firefighter Type 2 (FFT2) PMS 311-15
NFES 2322	\$.50	Staging Area Manager (STAM) PMS 311-16
NFES 2323	\$.50	Air Operations Branch Director (AOBD) PMS 311-17
NFES 2324	\$.50	Air Tactical Group Supervisor (ATGS) PMS 311-18

NFES 2325	\$.50	Air Support Group Supervisor (ASGS) PMS 311-19
NFES 2327	\$.50	Helibase Manager, four or more helicopters (HEB1)/ Helibase Manager, one to three helicopters (HEB2)PMS 311- 20
NFES 2328	\$.50	Helicopter Manager (HEMG) PMS 311-21
NFES 2330	\$.50	Helicopter Crewmember (HECM) PMS 311-22
NFES 2331	\$.50	Planning Section Chief Type 1 (PSC1)/Type 2 (PSC2) PMS 311-23
NFES 2333	\$.50	Situation Unit Leader (SITL) PMS 311-24
NFES 2334	\$.50	Documentation Unit Leader (DOCL) PMS 311-25
NFES 2336	\$.50	Demobilization Unit Leader (DMOB) PMS 311-26
NFES 2337	\$.50	Resource Unit Leader (RESL) PMS 311-27
NFES 2338	\$.50	Training Specialist (TNSP) PMS 311-28
NFES 2339	\$.50	Fire Behavior Analyst (FBAN) PMS 311-29
NFES 2340	\$.50	Field Observer (FOBS) PMS 311-30
NFES 2341	\$.50	Display Processor (DPRO) PMS 311-31
NFES 2342	\$.50	Status/Check-in Recorder (SCKN) PMS 311-32
NFES 2343	\$.50	Logistics Section Chief Type 1 (LSC1)/Type 2 (LSC2) PMS 311-33
NFES 2344	\$.50	Food Unit Leader (FDUL) PMS 311-34
NFES 2345	\$.50	Communications Unit Leader (COML) PMS 311-35
NFES 2346	\$.50	Facilities Unit Leader (FACL) PMS 311-36
NFES 2347	\$.50	Supply Unit Leader (SPUL) PMS 311-37
NFES 2348	\$.50	Ground Support Unit Leader (GSUL) PMS 311-38
NFES 2349	\$.50	Medical Unit Leader (MEDL) PMS 311-39
NFES 2350	\$.50	Security Manager (SECM) PMS 311-40
NFES 2351	\$.50	Incident Communications Manager (INCM) PMS 311-41
NFES 2352	\$.50	Base/Camp Manager (BCMG) PMS 311-42
NFES 2353	\$.50	Ordering Manager (ORDM) PMS 311-43

****NON-NWCG ITEM**

NFES 2354	\$.50	Receiving/Distribution Manager (RCDM) PMS 311-44
NFES 2355	\$.50	Equipment Manager (EQPM) PMS 311-45
NFES 2356	\$.50	Finance/Administration Section Chief Type 1 (FSC1)/Type 2 (FSC2) PMS 311-46.
NFES 2357	\$.50	Procurement Unit Leader (PROC) PMS 311-47
NFES 2358	\$.50	Cost Unit Leader (COST) PMS 311-48
NFES 2359	\$.50	Time Unit Leader (TIME) PMS 311-49
NFES 2360	\$.50	Compensation/Claims Unit Leader (COMP) PMS 311-50
NFES 2364	\$.50	Equipment Time Recorder (EQTR) PMS 311-51
NFES 2365	\$.50	Commissary Manager (CMSY) PMS 311-52
NFES 2366	\$.50	Personnel Time Recorder (PTRC) PMS 311-53
NFES 2367	\$.50	Compensation-for-Injury Manager (INJR) PMS 311-54
NFES 2368	\$.50	Claims Manager (CLMS) PMS 311-55
NFES 2371	\$.50	Coordinator (CORD) PMS 311-56
NFES 2372	\$.50	Supervisory Dispatcher (EDSP) PMS 311-57
NFES 2373	\$.50	Support Dispatcher (EDSD) PMS 311-58
NFES 2374	\$.50	Dispatch Recorder (EDRC) PMS 311-59

NIIMS Task Books for the Prescribed Fire Positions of:

NFES 2480	\$.50	Prescribed Fire Manager (RXM2/RXM1). PMS 311-70
NFES 2481	\$.50	Prescribed Fire Behavior Monitor (RXFM). PMS 311-71
NFES 2482	\$.50	Prescribed Fire Behavior Specialist (RXFS). PMS 311-72
NFES 2483	\$.50	Prescribed Fire Behavior Analyst (RXFA). PMS 311-73
NFES 2485	\$.50	Prescribed Fire Burn Boss (RXB2/RXB1). PMS 311-74
NFES 2486	\$.50	Prescribed Fire Ignition Specialist (RXI2/RXI1). PMS 311-75

new!

RESOURCE ADVISOR'S GUIDE FOR WILDLAND FIRE (1996)

NFES 1831 \$3.00

This guide was developed in response to the widespread recognition that an interagency guide was needed which provide suggested "how to do the job" direction to resource advisors, both on wildfires and prescribed fires. As a technical specialist position, there are no qualification requirements nor standardized training course for the position within the NWCG system. This

guide provides a listing of tasks which should be accomplished to successfully perform the job. The resource advisor position is primarily responsible for identifying and evaluating potential impacts of fire operations on natural and cultural resources, promoting excellence in the integration of resource concerns, promoting better understanding and definition of the role of resource advisors among agency administrators, fire staff, and incident management teams, and identifying political concerns. The NWCG Training Working Team suggests that resource advisor candidates be identified within each geographic area, assembled to participate in a workshop, and provided with this guide.

****NON-NWCG ITEM**

Prescribed Fire

FIRE EFFECTS GUIDE (1994)

NFES 2394 \$10.00

The purposes of this guide are to summarize available information on fire effects principles and processes, provide references for additional information, and provide guidelines of the collection, analysis, and evaluation of wild and prescribed fire effects data. Basic mechanisms of fire effects are described so that the reader will be able to understand and interpret fire effects literature, and evaluate observed results that conflict with those presented in published reports. The goal is to improve fire management by improving our ability to manage fire effects. The guide was written as an aid for resource managers and fire managers. It can be used for managing and evaluating wildfires; developing and implementing emergency fire rehabilitation plans; planning, monitoring, and evaluating prescribed fires; developing activity plans such as timber management plans, allotment management plans, and threatened and endangered species recovery plans; and providing fire management input for land use plans. The guide is printed looseleaf, ready to insert into any 3-ring binder. The following 3-ring binder can be used:

NFES 2375 \$ 4.00 2", 3-ring binder

A GUIDE FOR PRESCRIBED FIRE IN SOUTHERN FORESTS (1989)

NFES 2108 \$ 2.00

In this guide, prescribed fire is defined as fire applied in a knowledgeable manner to forest fuels on a specific land area under selected weather conditions to accomplish predetermined, well-defined management objectives. Contents include: Reasons for Prescribed Fire in Forest Resource Management, Environmental Effects, Weather and Fuel Considerations, Firing Techniques, Smoke Management, Planning the Prescribed Burn, Preparing for the Prescribed Burn, Executing the Burn, Evaluating the Burn, Coordination of Burning. R8-TP-11, PMS 431-2.

PHOTO GUIDE FOR APPRAISING DOWNED WOODY FUELS IN MONTANA FORESTS: INTERIOR PONDEROSA PINE, PONDEROSA PINE-LARCH-DOUGLAS-FIR, LARCH-DOUGLAS-FIR, AND INTERIOR DOUGLAS-FIR COVER TYPES (1981)

NFES 2293 \$10.00

Two series of color photographs show different levels of downed woody material resulting from natural processes in two forest cover types in Montana. Each photo is supplemented by inventory data describing the size, weight, volume, and condition of the debris pictured. A subjective evaluation of potential fire behavior under an average bad fire weather situation is given. Instructions are provided for using the photos to describe fuels and to evaluate potential fire hazard. INT 97, PMS 820.

PHOTO GUIDE FOR APPRAISING DOWNED WOODY FUELS IN MONTANA FORESTS: LODGEPOLE PINE, AND ENGELMANN SPRUCE-SUBALPINE FIR COVER TYPES (1981)

NFES 2294 \$10.00

Two series of color photographs show different levels of downed woody material resulting from natural processes in two forest cover types in Montana. Each photo is supplemented by inventory data describing the size, weight, volume, and condition of the debris pictured. A subjective evaluation of potential fire behavior under an average bad fire weather situation is given. Instructions are provided for using the photos to describe fuels and to evaluate potential fire hazard. INT-98, PMS 821.

PHOTO SERIES FOR QUANTIFYING FOREST RESIDUES IN THE: COASTAL DOUGLAS-FIR-HEMLOCK TYPE, COASTAL DOUGLAS-FIR-HARDWOOD TYPE (1976)

NFES 1870 \$ 6.00

Six series of photographs display different forest residue loading levels, by size classes, for areas

of like timber type and cutting practice. Information with each photo includes measured weights, volumes and other residue data, information about the timber stand and harvest or thinning actions, and fuel ratings. These photo series provide a fast and easy-to-use means for quantifying and describing existing and expected residues. 104-page booklet, PNW-51, PMS 819.

****NON-NWCG ITEM**

PHOTO SERIES FOR QUANTIFYING NATURAL FOREST RESIDUES IN THE: SOUTHERN CASCADES, NORTHERN SIERRA NEVADA (1981)

NFES 1872 \$15.00

A total of 56 photographs shows different levels of natural fuel loadings for selected size classes in seven forest types of the southern Cascade and northern Sierra-Nevada ranges. Data provided with each photo include size, weight, volumes, residue depths, and percent of ground coverage. Stand information includes sizes, weights, and volumes of the trees sampled for the inventory. Instructions for using the photos to describe natural fuel accumulations are provided. 145-page booklet, PSW-56, PMS 818.

PRESCRIBED FIRE COMPLEXITY RATING SYSTEM GUIDE (1995)

NFES 2474 \$.30

The Prescribed Fire Complexity Rating System was developed to assist the user in determining a relative complexity of any prescribed fire project, whether management-ignited or prescribed natural fire. The system was designed for interagency applicability and provides the local prescribed fire manager with a system to include local considerations in the decision process. This guide is comparable to other agency/state/regional complexity rating systems. It is not intended to replace any other effective system. PMS 424.

PRESCRIBED FIRE IN RESOURCE MANAGEMENT (1990)

NFES 2100 \$ 3.00

Video presents overall concept of prescribed fire, achievable results, and procedures. 8 minutes, VHS. PMS 480.

PRESCRIBED FIRE PLAN GUIDE (1986)

NFES 1839 \$ 2.00

The purpose of this guide is to aid prescribed fire managers and burn bosses in developing and writing prescribed fire plans. A description of elements that should be contained in a prescribed fire plan comprises the first section of the guide. The second section consists of selected prescribed fire plans and supplements of special interest. Local modification and adaptation are necessary and encouraged. Supplemental material included: checklists, report forms, and a list of general prescribed fire planning references. PMS 431-1.

PRESCRIBED FIRE SMOKE MANAGEMENT GUIDE (1985)

NFES 1279 \$ 1.00

Provides guidelines for planning and managing smoke from prescribed fire, achieving air quality requirements through improved smoke management practices. The guide focuses on national smoke management principles, covering smoke management objectives, regulatory requirements, monitoring, and evaluation, and minimizing smoke production. Good communication with local regulatory authorities when planning a prescribed burn is stressed. NWCG 420-1.

Safety and Health

ABOUT LYME DISEASE (1989)

NFES 2250 \$.70

Pamphlet discusses Lyme disease, causes and preventative measures. PMS 816.

new!

AGENCY ADMINISTRATOR'S GUIDE TO CRITICAL INCIDENT MANAGEMENT (1996)

NFES 1356 \$ 3.00

Steps for critical incident management.

BUTTE FIRE SHELTER INCIDENT (1986)

NFES 6093 \$.50 report

NFES 1524 \$ 4.00 videotape, VHS (33 minutes)

On August 29, 1985, 73 firefighters were forced into safety zones, where they took refuge in their fire shelters for 1--2 hours while a very severe crown fire burned over them. The incident took place on the Butte fire (part of Salmon Complex) on the Salmon NF, Idaho. The report is a reprint of two articles about Butte Fire Shelter incident. The videotape interviews those firefighters involved in the incident, documenting actions prior, during, and after the deployment. PMS 401.

revised!

COMMON DENOMINATORS OF FIRE BEHAVIOR ON TRAGEDY

AND NEAR-MISS FOREST FIRES (1996)

NFES 2225 \$.75

Booklet explains similar fire situations where firefighters were injured or killed. Intent is to prevent similar tragedies. PMS 407.

CRANK FIRE BURNOVER (1987)

NFES 0940 \$ 4.00 videotape, VHS (1 hour)

Depicts a burnover situation that occurred in California in August 1987. Principals are interviewed and the situation is explained. PMS 403.

FATIGUE AND THE FIREFIGHTER (1989)

NFES 2071 \$ 3.00 videotape, VHS (22 minutes)

NFES 2072 \$.20 pamphlet

The message in this booklet and videotape is simple: Properly managing fatigue means more rested, productive people on shift and fewer accidents and injuries. Specific steps that can be taken by a manager or by a firefighter to control fatigue are discussed. PMS 306.

FIREFIGHTER SAFETY IN WILDLAND/URBAN INTERFACE FIRES (1989)

NFES 2102 \$.75 pamphlet

NFES 2103 \$ 4.00 videotape, VHS (25 minutes)

Pamphlet discussing general safety differences between wildland and structural fires. Discussion centers around wildland fire personal safety concerns in three areas: the firefighter, the area immediately surrounding the firefighter, and the overall environment of the fire itself. "Situations that Shout Watch Out" and "Standard Fire Orders" are discussed. Excerpted information from "Analysis Report on Firefighter Fatalities" by NFPA and FEMA is presented. The accompanying videotape is divided into two sections: Firefighter Safety (14:33 minutes) and Safety Checkout (9:33 minutes). Also see videotape "Fire Behavior in Wildland/Urban Interface" listed under Fire Behavior. PMS 417.

**NON-NWCG ITEM

****FIRST AID**

NFES 0450 \$ 1.50
Pamphlet on first aid procedures.

FIT TO WORK? (1985)

NFES 1595 \$.50
Fitness is a prime consideration for most field jobs--particularly firefighting. This booklet was prepared to help you find out how fit you are and how to physically condition yourself for the field job you want. PMS 304-1.

FITNESS AND WORK CAPACITY

NFES 1596 UNDER REVISION, NO AVAILABILITY DATE, COST UNKNOWN.
NWCG SAFETY AND HEALTH WORKING TEAM DETERMINING WHETHER TO REPRINT OR HOLD FOR REVISED INFORMATION ABOUT THE PACK TEST.

HEAT STRESS (1979)

NFES 1594 \$.30
Explains how to detect, treat and prevent heat stress. PMS 303-1.

****HELOSAFE (Helicopter Operation Safety) (1988)**

NFES 2090 \$ 4.00 videotape, VHS (13 minutes)
An OAS-sponsored videotape about helicopter safety. Addresses approaching, entering and exiting a helicopter and use of seatbelts.

****HOW TO HELP THE INJURED EMPLOYEE**

NFES 0409 \$.nc
Explains administrative procedures to follow when employee is injured, what forms to complete. OPM PUBLICATION #14, SS-100.

HISTORICAL WILDLAND FIREFIGHTER FATALITIES 1910--1993

NFES 1849 UNDER REVISION, NO AVAILABILITY DATE, COST UNKNOWN.

IF A TREE FALLS (1995)

NFES 1847 \$ 4.00 video, VHS (16 minutes)
An introduction to accident prevention from snags in wildland firefighting. The video may be used as the stimulus for individual and team awareness of snag safety, leading to specific discussions and appropriate training at the local level to reduce injuries and deaths from snags. This video may be used as the focus for safety discussions or to supplement formal firefighter training. PMS 408.

LCES (LOOKOUTS, COMMUNICATIONS, ESCAPE ROUTES, SAFETY ZONES) DECAL (1994)

NFES 2397 \$10.00/PG (100 decals/package)

MEASURING PHYSICAL FITNESS (STEP TEST) (1986)

NFES 1575 step test calculator
NFES 2095 audiotape
NWCG SAFETY AND HEALTH WORKING TEAM IS CONSIDERING WITHDRAWING THESE ITEMS. NO KNOWN AVAILABILITY DATE FOR REPUBLISHING OR THE REVISION TO THE NEW PACK TEST.

PROTECTING YOUR HOME FROM WILDFIRE (1989)

NFES 2076 \$.75 pamphlet
NFES 2104 \$ 4.00 videotape, VHS (19 minutes)

Produced from a cooperative effort by National Fire Protection Association (NFPA), USDA Forest Service, USDI Bureau of Land Management, National Association of State Foresters, US Fire Administration. Endorsed by NWCG as a means to communicate wildland/urban interface prevention measures to homeowners via agency representatives. PMS 702.

STANDARD FIRE ORDERS AND WATCH OUT SITUATIONS (1987)

NFES 2388 \$ 3.00 package of 100 decals (1991)
NFES 2389 \$ 4.00 package of 100 wallet-sized cards

Self-adhesive decals and wallet-sized paper cards that are used as handouts in the course "Standards for Survival", but can be ordered separately. PMS 416.

SOUTH CANYON FIRE INVESTIGATION REPORT (1994)

NFES 2416 \$.nc limited copies available.

Investigation team report of the 14 fatalities that occurred on July 6, 1994 near Glenwood Springs, Colorado. PMS 712.

WENATCHEE HEIGHTS BURNOVER 8/2/90 (1992)

NFES 2228 \$ 4.00

On August 2, 1990, Fire Chief Rick West of the Chelan County Fire District, near Wenatchee, WA, was seriously injured in a burnover on the Wenatchee Heights fire. Chief West narrates a video that discusses the events leading up to the incident and the lessons to be learned from it. Emphasis is put on the proper use of protective equipment and the importance of following the standard firefighting orders. The video graphically illustrates the effectiveness of Nomex clothing and other protective gear. The video is applicable for all fire personnel and is an excellent tool to use in conjunction with standard fire shelter training and the "Standards for Survival" course. 33 minutes, VHS. PMS 406.

WILDLAND FIRE ENTRAPMENT/FATALITY INITIAL REPORT (1994)

NFES 0869 \$ 5.00 package of 100 reports

A reporting form that is used for rapid dissemination of accurate information to the fire management community. The report will allow fire safety and equipment specialists to quickly respond to these events as appropriate. This initial report does not replace agency reporting or investigative responsibilities, policies or procedures. Previous edition of this report not usable. PMS 405-1.

revised item!

YOUR FIRE SHELTER

NFES 2179 \$.50 Facilitator's Guide, Beyond the Basics (1996)

NFES 1570 \$.50 pamphlet (1995)

NFES 1568 \$ 3.00 videotape, VHS (20:00 minutes) (1986)

NFES 1583 \$40.00 videotape, VHS SPANISH (1986)

Videotape discusses care and deployment of a fire shelter. Pamphlet has been updated and is still intended to be given to every firefighter. The Facilitator's Guide is designed to be used by someone leading a training session about fire shelters. PMS 409.

PRACTICE FIRE SHELTER WITH CASE

NFES 2407 \$30.54

Referred to in S-130, a practice only shelter.

**NON-NWCG ITEM

Suppression Skills

****BLM FIREFIGHTER'S COMMON TASK MANUAL (1984)**

NFES 1384 \$ 3.00

This USDI-BLM sponsored publication contains the standardized performance tasks which will help firefighters safely suppress wildfire and assist in prescribed fire situations and is intended only to supplement formal training.

FIREFIGHTER'S GUIDE (1986)

NFES 1571 \$ 4.00

The Firefighter's Guide contains revised and updated material previously found in the Forest Service's Fireman's Handbook. This publication is not a policy manual but is intended to be a basic source of knowledge for all firefighters, including lookouts and prevention people. It contains fire suppression basic information, such as fire weather and fire tactics, for use by individual firefighters or small crews in initial attack situations. Some information, such as map reading, is not found in other guides. PMS 414-1.

FIRE IN THE INTERFACE (1988)

NFES 2094 \$ 3.00 videotape, VHS (12:00 minutes)

Follows an engine crew during an interface fire. Goes through the decision process whether a particular home has proper safeguards for protection. PMS 911.

FIREFIGHTER'S GUIDEBOOK

NFES 2093 UNDER REVISION. NO KNOWN AVAILABILITY DATE.

PLANNING FOR INITIAL ATTACK (1985)

NFES 1515 \$.75

This booklet contains reminders of the factors that effect forest fire behavior. It briefly states the important facts that should be known about weather, fire behavior, equipment, personnel, and back up forces before actually needing to use this knowledge. MAY BE REVISED 1997. PMS 413-1.

WILDFIRE CAUSE AND DETERMINATION HANDBOOK (1983)

NFES 1874 \$ 2.00

Designed to assist personnel having wildfire protection responsibilities and written for the initial attack firefighter. Emphasizes the importance of accurate fire investigative procedures. NWCG HANDBOOK #1, PMS 412-1.

WILDFIRE CONTROL:

AN INTRODUCTION FOR RURAL AND VOLUNTEER FIRE DEPARTMENTS (1991)

NFES 2182 \$ 4.00 videotape, VHS (27 minutes)

Basic introduction to wildland firefighting techniques with rural and volunteer fire departments as target audience. PMS 471.

WILDFIRE HANDTOOLS (1986)

NFES 2036 \$ 3.00 videotape, VHS (17 minutes)

Demonstrated use of the basic firefighting tools. PMS 402.

new!

WILDLAND FIRE SUPPRESSION TACTICS REFERENCE GUIDE (1996)

NFES 1256 \$5.00

This guide provides basic tactical information on suppressing wildland fires. It also provide information on wildland fire fuels, fire behavior, and tactics by geographic areas of the United States. The guide is intended to supplement, not substitute, wildland fire suppression training.

The guide does not include nor address the constraints on firefighting imposed by environmental laws and regulations; e.g., designated wilderness areas, wilderness study areas, threatened and endangered species, cultural and archeology sites, air quality, etc. The guide can be used by the beginning firefighter to learn more about tactics or by the advanced firefighter as a review of tactics. It is a reference guide for S-230 Crew Boss (Single Resource), S-231 Engine Boss (Single Resource), and S-330 Task Force/Strike Team Leader .

Wildfire Prevention

BEHAVIORAL SCIENCE APPLICATIONS IN THE FIRE PREVENTION JOB (1981)

NFES 1590 \$ 2.00

Report of the Human Behavior Task Force of the NWCG Wildfire Prevention Working Team. Part I is a tabular presentation of five duties with the fire prevention job that depend on a knowledge of human behavior and its modification for successful performance. These five duties are: to inform, educate, enforce, analyze, and evaluate. Part II consists of descriptive statements for the five social science skill/knowledge areas. PMS 905-1.

BLACK TIGER FIRE CASE STUDY (1989)

NFES 2130 \$ 3.00 pamphlet

NFES 1247 \$ 5.00 videotape, VHS (16 minutes)

A human-caused wildland fire starting on July 9, 1989 in a scenic part of the Rocky Mountains near Boulder, Colorado, swept through residential areas nestled among the trees. Within the first five to six hours after ignition, 44 homes and other structures were destroyed and many others were damaged. The result of this wildfire, especially the loss of the homes, represents an increasingly common example of the risks of building homes in what is called the wildland/urban interface, the term for a border zone where structures are built in wildland areas that by nature are subject to fires. This fire demonstrated the predictable effects of a combination of factors: lack of rainfall, prolonged heat spell, wind, sloping topography, buildup of forest fuels, construction factors affecting the susceptibility of the home to fire, use of combustible construction materials, poor site access for emergency vehicles, and lack of a home's site maintenance for fire protection. PMS 706-1--2.

CREATING FIRE RESISTANT ENVIRONMENTS (1989)

NFES 2128 \$ 5.00 VHS videotape (14:20 minutes)

Southern California foothill environment is discussed in interface fire terms. Introduces concept of fire resistant environment for fire-prone communities. PMS 704.

EVERYONE'S RESPONSIBILITY: FIRE PROTECTION IN THE WILDLAND/URBAN INTERFACE (1994)

NFES 1900 \$ 5.00 VHS videotape, 24 minutes, 1994

NFES 2406 \$.nc pamphlet/limited copies available

The videotape and the companion pamphlet look at three communities in the United States, Shenandoah County, Virginia; Prescott, Arizona; and Orange County, California; where wildland/urban interface fire protection has become everyone's responsibility. Successful programs in the three communities share five traits that are discussed: 1) identify the particular fire problems of the community, 2) define roles for the affected agencies and individuals, 3) secure interagency cooperation, 4) develop public support, 5) implement, coordinate and evaluate programs. PMS 918.

FIRE STORM '91 (1992)

NFES 2238 \$.nc pamphlet, limited copies available

NFES 2247 \$ 5.00 videotape, VHS (28 minutes)

**NON-NWCG ITEM

Case study about October 1991 wildland fires in Spokane, Washington area.

FIREWISE LANDSCAPING (1993)

NFES 2411	\$ 5.00	Firewise Landscaping, Part I: Overview (13 minutes)
NFES 2412	\$ 5.00	Firewise Landscaping, Part II: Design and Installation (16 minutes)
NFES 2413	\$ 5.00	

III: Maintenance (10 minutes)

NFES 2414	\$ 5.00	Firewise Landscaping III: Maintenance, SPANISH (10 minutes)
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This is a series of 3 videos depicting the basics of firewise landscape layout. Agency representatives may find this video useful when presenting wildfire prevention information, particularly to an audience living in an interface area. All videos VHS. PMS 916.

FOCUS ON WILDFIRE PREVENTION: PROFILING FOUR PROGRAMS THAT REALLY WORK (1993)

NFES 2376 \$ 5.00

This video profiles 4 different successful prevention programs. 21 minutes, VHS. PMS 917.

JOB PERFORMANCE ANALYSIS WILDFIRE PREVENTION (1982)

NFES 1588 \$ 3.00

Job inventory and job performance requirements for wildfire prevention. Modules: introduction, planning, administration, engineering, education, information, and law enforcement. PMS 331-1.

new!

ONE STEP BEYOND (1996)

NFES 2509 \$ 5.00

This video targets wildland fire prevention officers. The video shows the steps and contacts necessary to develop an effective fire prevention plan. The video also introduces the computer-based system of fire planning and analysis. VHS, 16:29.

PLANNING FOR WATER SUPPLY AND DISTRIBUTION IN THE WILDLAND/URBAN INTERFACE: OPERATION WATER (1993)

NFES 2295 \$2.00 pamphlet

NFES 2296 \$5.00 videotape, VHS. 22 minutes

Planning for water supply and distribution in wildland/urban interface is discussed. PMS 429-1--2.

PROTECTING YOUR HOME FROM WILDFIRE (1989)

NFES 2076 \$ 1.00 pamphlet

NFES 2104 \$ 5.00 VHS videotape (18:48 minutes)

This booklet was produced from a cooperative effort by National Fire Protection Association (NFPA), USDA Forest Service, USDI Bureau of Land Management, National Association of State Foresters, US Fire Administration; is sponsored by NWCG; and is published by NFPA. The booklet is designed to be used by agency officials in wildland/urban interface prevention education efforts with the public. The videotape is the satellite broadcast. PMS 702.

THE MEETING: FIRE PROTECTION PLANNING IN THE WILDLAND/URBAN INTERFACE (1991)

NFES 2186 \$ 5.00 videotape, VHS, 32:00 minutes

Staged community meeting demonstrating working together to achieve a fire protection plan. Topics discussed by the group: risk analysis, transportation and evacuation, water resources, conservation, building construction, and analysis of firefighting capabilities. PMS 913.

THE OAKLAND/BERKELEY HILLS FIRE: FIRE IN THE HILLS: THE OAKLAND STORY (1993)

NFES 2299 \$ 5.00 videotape, VHS. 22 minutes.

Case study of Oakland/Berkeley Hills (California) fire that burned October 20, 1991. The information in this video is provided to assist fire service personnel and others in developing firesafe communities in the wildland/urban interface.

SMOKEY BEAR POCKET PLANNER (1997)

NFES 2278 1997 edition already sold out of stock. 1998 edition available 12/97.

Small Smokey Bear pocket calendar with courtesy lines by National Association of State

****NON-NWCG ITEM**

Foresters and U.S. Department of the Interior.

WILDFIRE PREVENTION CONDUCTING SCHOOL PROGRAMS GUIDE (1996)

NFES 1254 § 2.00

Prepares the guide user in presenting effective wildfire prevention and fire education messages to audiences ranging from preschool through sixth grade, with a basic introduction to the junior and senior high school levels. Basic presentation methods, using audiovisual aids and techniques of handling unsolicited/unplanned requests and problems are covered. This guide includes sample lesson plans and evaluations. PMS 453.

WILDFIRE PREVENTION EVENT MANAGEMENT GUIDE (1996)

NFES 1253 \$ 2.00

Provides the necessary information to conduct a variety of special events. It has been designed to generate ideas and provide information to assist in the development of successful wildland fire event presentations. It covers the range of subjects necessary to plan and execute effective events including audience targeting, concept development, the event planning team, pre-event planning, event logistics and timetable, promotional materials and event evaluation. PMS 452.

WILDFIRE PREVENTION HANDBOOK (1988)

NFES 1818 \$ 2.00

Chapters include fire prevention analysis; planning; training; education; engineering; law enforcement. NWCG HANDBOOK #4, PMS 450-1.

WILDFIRE PREVENTION MARKETING GUIDE (1996)

NFES 1252 \$ 2.00

Assists the guide user with the development and execution of successful wildfire prevention and fire education programs. It describes the necessary steps and tools to develop and implement these types of programs. It addresses the questions: What is wildfire prevention marketing? How do I develop, present and implement marketing objectives and a wildfire prevention marketing plan? How do I develop partnerships? The guide includes an example of a wildfire prevention marketing plan. PMS 451.

WILDFIRE PREVENTION TRAINING COURSE DEVELOPMENT GUIDELINES (1982)

NFES 1589 \$ 2.00

Describes entire wildfire prevention curriculum as designed in 1982, based on job inventory and job performance requirements. PMS 900-1.

WILDFIRE '87, WILDFIRE STRIKES HOME (1987)

NFES 2129 \$ 5.00 videotape, VHS (21:37 minutes)

Presented as a news broadcast, discusses the nation's growing concern about interface fire and loss of natural resources from human-caused fires. Reviews 1985, 1986 and 1987 fire seasons. PMS 705.

WILDFIRE '90, WILDFIRE STRIKES HOME (1990)

NFES 2136 \$ 5.00 videotape, VHS (30:36 minutes)

Presented as a news broadcast, continues the discussion from Wildfire '87 video. Addresses homeowner prevention measures in interface areas, firefighting technology updates, and reviews 1988 and 1989 fire season. Scenes from 1988 Yellowstone fire complex and California 49'er fire. PMS 708.

WILDFIRE STRIKES HOME (1987)

NFES 1209 \$ 5.00 videotape, VHS (10:10 minutes)

Discusses and shows scenes from interface fires from 1985 fire season. Discusses key considerations for agencies faced with interface prevention efforts. PMS 707.

WILDFIRE STRIKES HOME! SECOND EDITION AND PROGRESS REPORT (1991)

NFES 2177 \$.nc pamphlet, limited copies available

By 1989, the sponsoring organizations of the National Wildland/Urban Interface Fire Protection Initiative were aware that the Initiative had recorded much progress since the 1987 first edition. The intent in this second edition was to again feature some of the still-relevant overview material from the first edition while presenting new material showing the scope of the progress made. Initiative sponsors believed such a presentation of the activities and products would serve four functions: to provide basic information on the nature of the wildland/urban

****NON-NWCG ITEM**

interface fire problem; to motivate homeowners, local officials and fire protection agencies to become involved with this important issue; to recognize the hard and creative work already being done by leadership-minded people; and to enhance the networking of individuals already working on the interface problem who wanted to share their information and learn from others. PMS 708.

WILDLAND HOME FIRE RISK METER (1990)

NFES 2106 \$1.00

A small meter designed as a wheel which is available for agencies to order to use in local fire prevention education efforts for wildland/urban interface areas. This wheel gives certain parameters of home risk in wildland/urban interface. PMS 703.

WILDLAND/URBAN INTERFACE REFERENCE MATERIALS (1989)

NFES 2096 \$ 2.00

A bibliography of wildland/urban interface materials. PMS 050.

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