

INCIDENT COMMUNICATIONS SECTION

NIICD CDO: 208-387-5644

NIICD FAX: 208-387-5892

The USDA Forest Service (FS) and the Department of the Interior (DOI) maintain the National Incident Radio Support Cache (NIRSC) at the National Interagency Fire Center (NIFC). The NIRSC is a national interagency resource and is composed of multi-channel radio equipment that is available for all-risk, incident or project communications. Priority for the use of this equipment will be for active fire incidents.

► For assistance with system design, ordering, or equipment installation, call the Communications Duty Officer (CDO) at the National Interagency Incident Communications Division (NIICD). **NIICD CDO available 24 hours a day at 208-387-5644.** NIICD Fax number is 208-387-5892.

► All communications equipment must be ordered through the established mobilization procedures using a resource order as outlined in the National Interagency Mobilization Guide (NFES 002092). The “Mobe Guide” is also available on line at <http://www.nifc.gov/nicc/logistics/references.htm>.

► All communications equipment and accessories are the property of the NIRSC and must be returned for refurbishment as soon as an incident has been demobilized. **Lost or damaged equipment must be properly documented. Lost or stolen radios must be reported immediately to the NIICD Chief Rework/Supply as well as Law Enforcement.** Contact the NIICD Chief Rework/Supply at 208-387-5645 or the NIICD CDO at 208-387-5644.

► All frequencies must be approved for use on all incidents and/or projects. Call the NIICD CDO for frequency authorization. Latitudes and longitudes of the incident must be provided at the time of the order to facilitate frequency planning.

► A NIRSC User’s Guide (NFES 000968) can be found in the Command Repeater Kit. Refer to the section on batteries for information on the use of clamshells. The subkits listed define the costs for the different radio brands. The subkit numbers are for accountability purposes only and should not be used when ordering.

PROJECT REQUESTS:

Communications equipment for projects, e.g., Forest Health Protection (FHP), are shared with many users. For that reason, it is requested that required project use time frames be kept to a minimum. The equipment should be expedited back to the NIRSC at NIFC immediately upon completion. **The requestor (project) will pay for the shipping charges to and from NIFC as well as the equipment refurbishment costs.** Refurbishment costs pertain to the replacement of batteries used on the project. There will be no further costs unless the radios are lost, damaged or stolen.

The standard kits available to support projects are NFES #004381, #004312, #004300, and #004330. Other types of equipment may be available if the project should have unusual requirements. All orders for communications equipment must be submitted on a resource order per the established National Interagency Mobilization procedures.

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GENERAL INFORMATION REGARDING RADIO BATTERIES:

▶ When ordering batteries, order by the “unit of issue” stated in this catalog, but round-up the order to equal the full STD PK quantity. Refer to the standard pack (STD PK) entry in the Radio Battery Matrix of this section. **The NIRSC does not stock batteries.**

▶ All of the radio batteries utilized by the NIRSC are of alkaline technology. Alkaline batteries normally have a shelf life of at least two years. Newer alkaline batteries now have a shelf life of up to 5 years. **Alkaline batteries are not considered hazardous waste, except in California and should be disposed of at the incident.**

▶ Repeater batteries should last 5 to 7 days under heavy usage. King disposable batteries on a two-watt radio should last a full shift. The clamshell battery life will depend entirely upon the AA cells installed. Fresh, quality AA cells should perform nearly as well as a disposable battery. As per Bendix-King, all NIRSC UHF and VHF King EPH and EPV handheld radios must use 9-cell clamshell battery holders (NFES #001034).

▶ Using a voltmeter to determine the state of an alkaline battery can yield very inconsistent results. A battery that no longer works on a repeater and has not had a load placed on it for several days may give a reading of “good” on a voltmeter because the voltmeter does not apply the proper current load.

▶ **Check batteries with the transmitter keyed.** Replace the batteries on the Daniels repeaters if the voltage is at 10.5 volts with the transmitter operating. Starting voltage is about 15 volts when the transmitter is in operation. The transmit LED is the best indicator of battery life on the portable radios. If the light holds bright for 3 seconds while transmitting, the battery should be in good condition.

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RADIO / KIT BATTERY MATRIX BATTERIES

NFES #	000030	001023	001233
VOLTAGES	1.5 V	7.5V	6V (HOTSHOT)
UNIT OF ISSUE (U/I)	PG (24)	EA	EA
STD PK	12 PG / BX	4 / BX	4 / BX

RADIO BATTERY REQUIREMENTS

ICOM (Clam)	10 PG		
KING (Clam) (VHF/UHF)	9 PG		
THALES/RACAL 25 (Clam)	10 PG		
MOTOROLA XTS-3000/5000 (Clam)	12 PG		
E.F. JOHNSON 5100 (Clam)	12 PG		
DATRON (Clam)	12 PG		

KIT BATTERY REQUIREMENTS

GRND A/C: 004370, 004300	80 PG	4 EA	
P.A.: 004410			2 EA
REMOTES: 004330		2 EA	2 EA
REPEATERS & LINKS: 004248, 004312, 004281, 004630		4 EA	

RADIO KIT BATTERY HOLDERS:

NFES #004541 for DATRON
 NFES #004231 for E F JOHNSON 5100
 NFES #005083 for ICOMS (STD PK = 12/box)
 NFES #001034 for KINGS (STD PK = 12/box)
 NFES #004541 for MOTOROLA XTS-3000
 NFES #004165 for THALES/RACAL
 NFES #004537 for MOTOROLA XTS-2500

ALL RADIO KIT BATTERY HOLDERS MUST BE RETURNED TO NIRSC

INCIDENT COMMUNICATIONS SECTION

AIR ATTACK KIT \$27,523.20

NFES 004499

Loc: GBK
WT: 35 lb
CU: 3.37 ft
DIM: 24.5"x14"x17"

KIT CONTAINS TRACKABLE PROPERTY

This kit will be installed ONLY in an aircraft that meets the National Air Tactical / Reconnaissance Standards and also passes an avionics inspection by a USDA FS / USDI OAS avionics inspector.

This kit is built to supplement communications in contracted fixed-wing aircraft for missions ranging from reconnaissance to complex air attack. This kit can fit between the pilot and co-pilot seats in some aircraft, i.e., Cessna, and slightly behind the front seats in other aircraft. This kit creates an interface between the aircraft's existing audio system / radios and the Air Attack kit radios. All kits have the capability to operate two Technisonic Industries radios. One radio will be the TFM-138B. The second will be another TFM-138B or a new Project 25 digital TDFM-136.

The kit has dual audio control (COM/FM1/FM2/AUX1/AUX2/SC) for the pilot and co-pilot/ATGS, connectors for two AUX-FM type portable radio adapters, and two passenger headset adapters. Kit headset jacks are 600 OHM impedance using standard audio and microphone type connectors. The pilot and co-pilot/ATGS utilize case-mounted headset jacks. Both passengers can operate all radios through the co-pilot/ATGS's transmitter selector. The "SC" position is simulcast transmission on both COM (aircraft VHF-AM) and FM1. Each kit includes two passenger headset adapters, two PT-300 PTT adapters, two BNC barrel connectors (for AUX-FM antenna connections) and instructions. The AUX-FM portable radio adapter connectors accept the same adapter connectors used in all helicopters. Contact the CDO for availability of King and Racal AUX-FM adapter cables.

This kit allows control over the airplanes internal radios (two) and an additional four radios installed in the kit, as well as all intercom functions. The pilot can be isolated from the other 3 stations. It also incorporates a priority for the pilot's microphone.

NFES	QTY	DESCRIPTION
004500	2 EA	Adapter, Headset
004486	2 EA	Adapter, PTT, PT-300
004488	1 EA	Cable, Audio/Mic
004487	1 EA	Cable, Power
004479	1 EA	Chassis, Model TAK100
004339	2 EA	Connectors, Barrel, BNC
	2 EA	Information Sheet, Air Attack
	2 EA	Information Sheet, Basic Programming, TDFM-136
	2 EA	Information Sheet, Cmd Quick Reference Guide, TDFM-136
	1 EA	Operators Guide, TDFM-136
005086	1 EA	Pelican Case, Tan
004066	2 EA	Radio, TDFM-136, P25
004490	2 EA	Strap, Tie Down 5 1/2"

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AIRBASE ACCESSORY KIT \$264.75

NFES 004240

Loc: GBK
WT: 25 lb
CU: 3.6 ft
DIM: 25"x20"x9"

This kit is designed to supplement a NFES 4300 Ground VHF-AM Base Station.

NFES	QTY	DESCRIPTION
001086	4 EA	Harness, Chest, Radio
005088	1 EA	Case, Pelican 1600
	4 EA	Headset, David Clark H10-66
	2 EA	Speaker, Mic, ICOM, HM-173
	4 EA	Headset Radio Adapter, ICOM, OPC-499
	4 EA	Helmet Adapter, JB08
	4 EA	Remote PTT Switch, ICOM
	1 EA	Deskset, Radio Remote, Motorola, MC1000
	1 EA	Deskset AC Adapter, 120 VAC/AS VDC, 1000 Ma
	1 EA	Telephone Cord, 50 Ft
	1 PG	Instruction Sheet
	2 EA	Lead Box Seals
	3 EA	Radio Tracking Sheets
	3 EA	Frequency Sheets

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COMMAND REPEATER KIT \$18,375.55

NFES 004312

Loc: GBK
WT: 95 lb
CU: 3.65 ft
DIM: 20"x21"x15"

The Command Repeater Kit must be used in conjunction with a Command / Tactical Radio Kit, NFES #004381. This kit is a battery operated portable repeater designed for mountainous terrain and/or extended area coverage applicable to all hazard incident operational requirements.

Repeaters should be ordered by NFES number and by the frequency: USDA-FS - C1, C2, C3; DOI: C4, C5, C6, C7. ALL frequencies must be cleared for use BEFORE shipment is made. Please provide the latitude and longitude when ordering and call the NIICD CDO for clearance.

All command repeaters are single channel. If an additional repeat frequency is necessary, a separate command repeater must be ordered. All frequencies must be coordinated to reduce interference problems. A tone-controlled repeater will operate as a normal repeater when not in the tone mode. Call the NIICD CDO for more information on tone-control applications.

NFES	QTY	DESCRIPTION
004305	6 EA	Antenna—Antenna Mast #LANCE H-518
004464	1 EA	Antenna, Gain Whip, VHF
005208	1 EA	Antenna, UHF YAGI
004304	1 EA	Antenna, UHF Whip
004489	2 EA	Base, Antenna w/Ground Planes
001023	4 EA	Battery, Radio Repeater, Alkaline 7.5 VOLT
	8 EA	Battery Jumpers, 4 Red, and 4 Black
004309	1 EA	Box, Fiberglass
004326	2 EA	Cable, Coaxial, RG 8/U
004676	2 EA	Cable, VHF Duplexer To Radio, 27"
004679	1 EA	Cable, B Side RX to Antenna Relay 12"
004678	1 EA	Cable, B Side TX to Antenna Relay 14"
004648	1 EA	Card, Control w/ Interface #4L-10
004180	1 EA	Connector, 90 Degree UHF
004339	2 EA	Connector, UHF Barrel, Coaxial
004342	1 EA	Duplexer, TXRX, #30-37-98102TXLO
	1 RO	Filament Tape
	1 RO	Flagging Tape
	1 BX	Fuses, 3 AG, 5 AMP
	1 EA	Garbage Bag
004308	2 EA	Guy Assembly, Antenna w/ Collar
004303	1 EA	Hammer, 5 lb.
	3 EA	Installation Instructions
	3 EA	Kit Inventory Worksheets
	2 EA	Lead Box Seal
004659	1 EA	Microphone, Repeater, Daniels #A-MIC-01

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COMMAND REPEATER KIT (continued)

004652	1 EA	Monitor—System #SM-3-H0-014-00
000968	1 EA	NIRSC User's Guide
	1 EA	Power Cord w/Female Cinch Connector
004685	1 EA	Receiver, VHF Digital #VR-4R150-00-000
004683	1 EA	Receiver, UHF Digital #UR-4R420-00-000
004690	1 EA	Screwdriver, Daniels
004171	1 EA	Screwdriver 4"
	3 EA	Straps, Battery
004651	1 EA	Subrack, w/ Motherboard #SR-39-1
000825	6 EA	Tent Stakes, Metal
004684	1 EA	Transmitter, VHF Digital #VT-4R160-00-800
004682	1 EA	Transmitter, UHF Digital #UT-4R420-00-200
004333	1 EA	Wire Assembly, Fused 12 volt Battery Power
	1 EA	Wrench, Allen



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COMMAND/TACTICAL KIT (SYNTHESIZED)

NFES 004381

Loc: GBK
WT: 85 lb
CU: 3.65 ft
DIM: 20"x21"x15"

KIT CONTAINS TRACKABLE PROPERTY

This kit is designed for use in the command and tactical operations of an all hazard incident. Each kit contains sixteen (16) hand held radios configured with all USDA-FS and DOI tactical, command and national air frequencies. The radios in each kit will all be the same.

The EPH series have 210 channels and are either narrow or wide-band. In the 210 channel radios, 3 groups have been programmed. Groups are accessed when the radio is turned on by pressing the number on the front pad for the group desired, when GRP appears on the display. Refer to the frequency charts in the kits for changes from the normal VHF frequency scheme. These radios are password protected. The CDO will supply the authorization code upon request to communications personnel.

The NIRSC recommends that the SCAN mode and HIGH POWER options not be used, as these options rapidly reduce battery life. The AA battery holder (NFES #001034 clamshell) provides convenient battery replacement. Clamshells require 9 each of the AA batteries (NFES #000030) for operation. NOTE: All VHF King Radio Kits use the 9-cell battery clamshells. Clamshells included in the kits must be returned to NIRSC. Boxes are labeled on the outside to denote the type of radios contained in the kit according to the following convention:

4381KE-FCK-KIT# = KING EPH 4381KD-FCK-KIT# = KING DPH

4381RL-FCK-KIT# = RACAL 4381DA-FCK-KIT# = DATRON

ALL frequencies must be cleared for use BEFORE shipment. Call the NIICD CDO for clear-

NFES	QTY	DESCRIPTION
004309	1 EA	Box, Fiberglass
	3 EA	Frequency Charts
	3 EA	Kit Inventory Worksheets
	2 EA	Lead Box Seal
004306	1 EA	Liner, Foam
	3 EA	Radio Tracking Sheets
	32 EA	T-Cards, Radio Accountability

When placing the order, do not specify the manufacturer using the subkit numbers. Please specify by the manufacturer name to avoid any possible errors i.e. King, Racal, or Datron then check with the CDO or COML

SUBKITS:

NFES	QTY	DESCRIPTION	
4381KE		KING EPH	\$13,824.94
005350	4 EA	Adapter - Cable, King to Mobile MAG	
005321	19 EA	Antenna - King, VHF Screw mount or BNC	
004355	4 EA	Antenna, Mobile MAG, VHF/UHF	
000030	16 PG	Battery, AA	
005331	16 EA	Case, Leather, King Radio w/ Cover	
001034	16 EA	Holder, Battery (Clamshell), King	
004322	16 EA	Radio, King VHF, EPH Model (<i>TRACKABLE</i>)	
005330	4 EA	Speaker, Mike, King	

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COMMAND/TACTICAL KIT (continued)

NFES 4381RL		RACAL /THALES RADIOS	\$43,311.50
004355	4 EA	Antenna, Mobile MAG, VHF/UHF	
004160	19 EA	Antenna, Racal, VHF	
000030	16 PG	Battery, AA	
004168	1 EA	Cable, Cloning, Racal Radio	
004165	16 EA	Holder, AA Battery for Racal Model	
004164	16 EA	Holster, Leather, Racal Model	
004161	16 EA	Radio, Racal VHF Digital, Model #PRC-6894 (<i>TRACKABLE</i>)	
004166	16 EA	Speaker/Mike, Racal	
NFES 4381KD		KING DIGITAL DPHX RADIOS	\$16,584.79
005350	4 EA	Adapter - Cable, King to Mobile MAG	
004601	19 EA	Antenna, King, VHF	
004355	4 EA	Antenna - Mobile MAG, VHF/UHF	
000030	16 PG	Battery, AA	
005331	16 EA	Case, Leather, King w/ Cover	
004602	1 EA	Cable, Cloning, King DPH #E/GCC	
001034	16 EA	Holder, AA Battery	
004603	16 EA	Radio, King VHF Digital Model #DPHx (<i>TRACKABLE</i>)	
005330	4 EA	Speaker/Mike, King	
NFES 4381DA		DATRON RADIOS	\$38,123.82
004111	19 EA	Antenna, VHF Datron	
004355	4 EA	Antenna, Mobile MAG, VHF/UHF	
000030	19 PG	Battery, AA	
004114	1 EA	Cable, Cloning, Datron	
004541	16 EA	Holder, AA Battery, Motorola XTS3000	
004112	16 EA	Holster, Leather, Datron	
004115	16 EA	Radio, Datron VHF Digital (<i>TRACKABLE</i>)	
004113	4 EA	Speaker/Mike, Datron	

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COMMAND/TACTICAL KIT (continued)



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CROSSBAND LINK KIT \$18,120.51

NFES 004281

Loc: GBK

TOTAL 3 PIECES: WT: 95 lb

CU: 5.5 ft (1.68 m)

Piece 1/BOX:

WT: 79 lb

CU: 3.5 ft

DIM: 20"x21"x15"

Piece 2&3/Masts

WT: 16 lb

CU: 2.0 ft

DIM: 60"x3"x3" per mast

The Crossband Link Kit is designed to provide support for special operations on an all hazard incident that requires UHF frequency to VHF frequency conversion. This unit is in a Daniels rack with both a UHF transmitter and receiver and a VHF transmitter and receiver and can be programmed with special frequencies. Please contact the NIICD CDO for ordering, design, and frequency coordination. ***This unit is not a repeater.***

NFES	QTY	DESCRIPTION
004339	2 EA	Connector, UHF Barrel, Coaxial
004304	1 EA	Antenna, UHF, Whip
004464	1 EA	Antenna, Gain Whip, VHF
005208	1 EA	Antenna, UHF YAGI
	1 EA	Garbage Bag
004489	2 EA	Base, Antenna w/Ground Planes
001023	4 EA	Battery, Radio Repeater, 7.5 volt
	2 EA	Battery Jumpers, 6 Ft.
	8 EA	Battery Jumpers 4 Red and 4 Black
004309	1 EA	Box, Fiberglass w/ ACC, 21 x 20 x 15
004679	1 EA	Cable, B Side RX to Antenna Relay 12
004678	1 EA	Cable, B Side TX to Antenna Relay 14"
004326	2 EA	Cable, Coaxial, RG8/U
004668	1 EA	Cable, Receiver, A Side
004669	1 EA	Cable, Transmitter, A Side
004180	2 EA	Connector, 90 Degree UHF
	1 BX	Fuses, 3 AG, 5 amp
004308	2 EA	Guy Assembly, Antenna w/Collar
004303	1 EA	Hammer, 5 lb.
	3 EA	Installation Instructions
	3 EA	Kit Inventory Worksheets
	2 EA	Lead Box Seal
004305	6 EA	Antenna—Antenna Mast #LANCE H-518
004659	1 EA	Microphone, Repeater, Daniels #A-MIC-01
004675	1 EA	Card, Control, Audio #AC-3E
004665	1 EA	Monitor System
	1 EA	Power Cord w/Female Cinch Connector

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CROSSBAND LINK KIT (continued)

004683	1 EA	Receiver, UHF Digital #UR-4R420-00-000
004685	1 EA	Receiver, VHF Digital #VR-4R150-00-000
004690	1 EA	Screwdriver (for Daniels Modules)
004171	1 EA	Screwdriver 4"
	3 EA	Battery Straps (1 long, 2 short)
004651	1 EA	Subrack w/ Motherboard #SR-39-1
	1 RO	Filament Tape
	1 RO	Flagging Tape
000825	6 EA	Tent Stakes, Metal
004682	1 EA	Transmitter, UHF Digital #UT-4R420-00-200
004684	1 EA	Transmitter, VHF Digital #VT-4R160-00-800
004333	1 EA	Wire Assembly, Fused 12 volt Battery Power
	1 EA	Wrench, Allen

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FLATLAND KIT \$74.72

NFES 004245

Loc: GBK
WT: 2.8 lb
CU: 0.17 ft
DIM: 12"x12"x2"

This kit is primarily used at the ICP of in-staging areas that house large numbers of personnel. It allows for the broadcasting of information from a centralized point.

NFES	QTY	DESCRIPTION
004127	1 EA	Cable, RG-58A
004174	1 EA	Antenna, VHF, Toss Up
004339	1 EA	Connector, UHF Barrel, Coaxial
005350	1 EA	Adapter, Cable, King to Mobile MAG
	1 EA	Parachute Cord, 50 Ft. w/Lead Weights
	1 EA	Wrench, Allen

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GROUND AIRCRAFT RADIO/LINK KIT \$15,209.98

NFES 004370

Loc: GBK

TOTAL 3 PIECES: WT: 110 lb

CU: 6.22 ft

Piece 1/BOX:	Piece 2/BOX:	Piece 3/MASTS:
WT: 69 lb	WT: 26 lb	WT: 15 lb
CU: 3.65 ft	CU: 1.57 ft	CU: 1.0 ft
DIM: 20"x21"x15"	DIM: 20"x17"x8"	DIM: 60"x3"x3"

KIT CONTAINS TRACKABLE PROPERTY

This Daniels kit is a portable, battery operated, all in one, VHF-AM aircraft base station and UHF-FM link. All aircraft kits operate as a base station or as a cross-band link. There are two sets of antennas (VHF-AM and UHF-FM) for use in the link configuration. All kits have four (4) handheld ICOM VHF-AM radios and require a 12 volt DC source. The unit can be operated from the supplied alkaline batteries at 15 volts or from an external 12 volt DC power source such as a heavy duty car battery, DC power supply, or solar panels. If a 12 volt DC power supply is used, it must have a minimum 5 amp continuous duty capability.

Additional ICOM radios may be ordered to supplement this kit. Call the CDO for ordering assistance. ALL frequencies must be cleared by the NIICD CDO or COMC.

NFES	QTY	DESCRIPTION
BOX 1 CONTENTS:		
005082	5 EA	Antenna, ICOM
004304	1 EA	Antenna, UHF Whip, w/ Po-UHF load
004343	1 EA	Antenna, VHF/AM, AV-1
004489	1 EA	Base, Antenna w/ Ground Planes
001023	4 EA	Battery, Radio Repeater, Alkaline 7.5 volt
	8 EA	Battery Jumpers, 4 Red and 4 Black
	3 EA	Battery Straps, 15 volt
004309	1 EA	Box, Fiberglass
004679	1 EA	Cable, Coaxial, B Side RX to Antenna Relay 12"
004678	1 EA	Cable, Coaxial, B Side TX to Antenna Relay 14"
004326	2 EA	Cable, Coaxial, RG8/U
004668	1 EA	Cable, Receiver, A Side
004669	1 EA	Cable, Transmitter, A Side
004675	1 EA	Card, Control, Audio #AC-3E
004180	2 EA	Connector, 90 Degree UHF
004339	2 EA	Connector, UHF Barrel, Coaxial
	4 EA	Frequency Sheet, ICOMS
	3 EA	Frequency Sheet, UHF
	1 BX	Fuses, 5 amp, 3 AG
005083	4 EA	Holder, Battery, ICOM
005084	4 EA	Holster, Leather, Radio ICOM
	3 EA	Installation Instructions
	3 EA	Instructions, Battery and Antenna Set Up

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GROUND AIRCRAFT RADIO/LINK KIT (continued)

	3 EA	Kit Inventory Worksheets
	2 EA	Lead Box Seal
004307	1 EA	Liner, Foam, A/C 5 Pocket
004305	6 EA	Masts, Antenna, 5 ft Section
004659	1 EA	Microphone, Repeater, Daniels #A-MIC-01
004665	1 EA	Monitor System
	1 EA	Operating Booklet, ICOM
	1 EA	Power Cord w/ Female Cinch Connector
	1 EA	Power Cord, Female Cinch Connector to Alligator Clip
004402	4 EA	Radios, ICOM, #IC-A3, A/C
004667	1 EA	Receiver, Synthesized, VHF-AM
004683	1 EA	Receiver, UHF Digital #UR-4R420-00-000
004409	1 EA	Speaker, External, 800HM, 10 watt
004651	1 EA	Subrack, w/ Motherboard #SR-39-1
	2 EA	Switch Setting Diagrams, Base/Link, Laminated
	8 EA	T-Card, Radio Accountability
004666	1 EA	Transmitter, Synthesized, VHF-AM
004682	1 EA	Transmitter, UHF Digital #UT-4R420-00-200
	1 EA	Wrench, Allen

BOX 2 CONTENTS:

004830	80 EA	Battery, AA
	1 RO	Filament Tape
	1 RO	Flagging Tape
	1 EA	Garbage Bag
004308	2 EA	Guy Assembly, Antenna w/ Collar
004303	1 EA	Hammer, 4 lb
005085	1 EA	Pelican Box, Black
004690	1 EA	Screwdriver (for Daniels Models)
004171	1 EA	Screwdriver 6" Straight Slot
000825	6 EA	Tent Stakes, Metal
000332	1 EA	Wrench, Adjustable 6"

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GROUND VHF-AM BASE STATION KIT \$5,995.02

NFES 004300

Loc: GBK

TOTAL 2 PIECES: WT: 95 lb
CU: 4.65 ft

Piece 1/BOX: WT: 80 lb
CU: 3.65 ft
DIM: 20"x21"x15"

Piece 2/MASTS: WT: 15 lb
CU: 1.0 ft
DIM: 60"x3"x3"

KIT CONTAINS TRACKABLE PROPERTY

This kit is a portable, battery-operated VHF-AM aircraft base station consisting of a 760-channel AM radio. This kit is not linkable and is used as a base station for Forest Health Protection projects, air tanker bases, and all hazard incidents. This kit can be operated via dry-cell batteries, deep-cycle batteries, or by an automobile accessory plug-in. Four (4) handheld ICOM VHF-AM radios are included, as well as T-cards for radio check-outs. ALL frequencies must be cleared by the NIICD CDO or COMC.

If this kit is to be used as an FAA portable control tower, the resource order MUST be placed by the incident COML for the controller.

NFES	QTY	DESCRIPTION
	1 EA	Adapter, Car Battery, Female w/Connector
	1 EA	Adapter, Car Battery, Male #TBS-150
	1 EA	Adapter, Neutral Male to UHF Female, #RFN1035-1
004343	1 EA	Antenna, VHF-AM, AV-1
005082	5 EA	Antenna, ICOM, Handheld, Helical
004476	1 EA	Base Station, VHF-AM, #TBS-150
001023	4 EA	Battery, Radio Repeater, 7.5 volt
004830	80 EA	Battery, AA
	8 EA	Battery Jumpers 4 Red and 4 Black
	3 EA	Battery Straps, 15 Volt
004309	1 EA	Box, Fiberglass
004326	1 EA	Cable, Coaxial, RG8/U
004339	1 EA	Connector, UHF Barrel, Coaxial
	1 RO	Filament Tape
	1 RO	Flagging Tape
	4 EA	Frequency Sheets for ICOMS
	5 EA	Fuses, 2 AG, 5 amp Mini
	5 EA	Fuses, 3 AG, 5 amp
	5 EA	Fuses, MDL, 2.5 amp
	1 EA	Garbage Bag
004308	1 EA	Guy Assembly, Antenna w/ Collar
004303	1 EA	Hammer, 4 lb.
005083	4 EA	Holder, Battery ICOM
005084	4 EA	Holster, Leather, Radio ICOM

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GROUND VHF-AM BASE STATION KIT (continued)

	3 EA	Installation Instructions
	1 EA	Instruction Manual, TBS-150
	3 EA	Instructions, Battery and Antenna Set Up
	3 EA	Kit Inventory Worksheets
	2 EA	Lead Box Seal
004307	1 EA	Liner, Foam, A/C 5 Pocket
004305	3 EA	Masts, Antenna, 5 ft Section
005066	1 EA	Microphone, Telex w/ Three Pin Male Connector
	4 EA	Operating Booklet ICOM
	1 EA	Power Cord, 120 volt, AC (TBS-150)
004402	4 EA	Radios, ICOM A/C #IC-A3
004171	1 EA	Screwdriver, 6" Straight Slot
	8 EA	T-Cards, Radio Accountability
000825	3 EA	Tent Stakes, Metal
000332	1 EA	Wrench, Adjustable 6"



INCIDENT COMMUNICATIONS SECTION

IRIDIUM SATELLITE TELEPHONE KIT \$2,456.47

NFES 004630

Loc: GBK

TOTAL 2 PIECES: WT: 90 lb

CU: 4.5 ft

Piece 1/BOX:

WT: 75 lb

CU: 3.5 ft

DIM: 21"x21"x15"

Piece 2/MASTS:

WT: 15 lb

CU: 1.0 ft

DIM: 60"x3"x3"

KIT CONTAINS TRACKABLE PROPERTY

NFES	QTY	DESCRIPTION
004618	1 RO	Adapter, DC Power Adapter, Docking Station to Auto
	1 EA	Adapter, Female, Cigarette Lighter to Battery Connector
	1 EA	Adapter, Female, Cigarette Lighter to Alligator Clamps
004621	1 EA	Adapter, Telephone to Docking Station, Model 9505
004619	1 EA	Antenna, Fixed Mast
004612	1 EA	Antenna, Mobile MAG
001023	4 EA	Battery, Radio Repeater, Alkaline 7.5 volt
	6 EA	Battery Jumpers, 3 Red and 3 Black
	3 EA	Battery Straps
004309	1 EA	Box, Fiberglass, Large
004609	1 EA	Box, Fiberglass, Small
004620	1 EA	Cable, Docking Station to Antenna 32 ft
	3 EA	Calling Instructions
004623	1 EA	Charger, A/C to Docking Station
004617	1 EA	Docking Station
	1 RO	Filament Tape
	1 RO	Flagging Tape
	1 EA	Fuse, 3 AG. 5 amp
	1 EA	Garbage Bag
004308	1 EA	Guy Assembly, Antenna w/ Collar
004303	1EA	Hammer, 4 lb
004622	1 EA	Handset, Docking Station w/ RJ45 Plug
	3 EA	Installation Instructions
	3 EA	Instructions, Battery and Antenna Set Up
	3 EA	Kit Inventory Worksheets
	2 EA	Lead Box Seals
004305	3 EA	Masts, Antenna, 5 ft Section
000825	3 EA	Tent Stakes, Metal
	1 EA	Telephone User Guide

INCIDENT COMMUNICATIONS SECTION

LOGISTICS RADIO KIT

NFES 004244

Loc: GBK
WT: 75 lb
CU: 3.65 ft
DIM: 20"x21"x15"

KIT CONTAINS TRACKABLE PROPERTY

This radio kit is designed to be used for all hazard incident support personnel, e.g., Planning, Logistics, and Finance. The kit contains 16 UHF radios that operate independently or in conjunction with a UHF Repeater Kit NFES #004248. The synthesized radios contain both DOI and USDA-FS frequencies, including all simplex and repeat pair frequencies. ALL frequencies must be cleared for use by the NIICD CDO.
UHF KING RADIOS: The 210 channel LPV radios have 15 groups and 14 channels. The groups are accessed when the radio is turned on by pressing the number on the front pad for the group desired when GRP appears on the display. Refer to the frequency charts in the kits for additional information. The CDO will supply the authorization code upon request to communications personnel. All NIRSC UHF King Radio Kits will use the NFES #001034, 9-cell battery holder clamshells. Boxes are labeled on the outside to denote the type of radios contained in the kit according to the following convention:

4244KV-FCK-KIT# = KING EPV 4244X2-FCK-KIT# = MOTOROLA XTS 2500
4244EF-FCK-KIT# = EF JOHNSON 5100

NFES	QTY	DESCRIPTION
004309	1 EA	Box, Fiberglass
	3 EA	Frequency Charts
	3 EA	Kit Inventory Worksheets
004306	1 EA	Liner, Foam
	2 EA	Lead Box Seal
	3 EA	Radio Tracking Sheets
	32 EA	T-Cards, Radio Accountability

When placing the order, do not specify the manufacturer using the subkit numbers. Please specify by the manufacturer name to avoid any possible errors i.e. King, Racal, EF Johnson etc. then check with the CDO or COML.

SUBKITS:

NFES 4244KV	KING RADIOS	\$13,833.49
005350	4 EA	Adapter, Cable, King to Mobile MAG
005340	19 EA	Antenna, King, UHF Screw Mount
004355	4 EA	Antenna, Mobile MAG, VHF/UHF
000030	16 PG	Battery, AA
005331	16 EA	Case, Leather, King Radio w/ Cover
001034	16 EA	Holder, AA Radio Battery
004404	16 EA	Radio, King, UHF, EPH (<i>TRACKABLE</i>)
005330	4 EA	Speaker, Mike, King

INCIDENT COMMUNICATIONS SECTION

LOGISTICS RADIO KIT (continued)

NFES 4244EF

004355 4 EA
004229 19 EA
000030 19 PG
004225 4 EA
004231 16 EA
004230 16 EA
004227 16 EA
004232 4 EA

E.F. JOHNSON RADIOS \$38,719.10

Antenna, Mobile MAG, VHF/UHF
Antenna, UHF, E.F. Johnson
Battery, AA
Cable, Cloning, E.F. Johnson
Holder, AA Battery, E.F. Johnson
Holster, Leather, E.F. Johnson
Radio, E.F. Johnson UHF Digital, Model #242-420 (*TRACKABLE*)
Speaker, Mike, E.F. Johnson

NFES 4244MD

004075 16 EA
004076 19 EA
004077 16 EA
004078 4 EA
004079 1 EA
004169 16 EA
004306 1 EA
004309 1 EA
004830 192 EA
3 EA
2 EA
3 EA
3 EA
32 EA

MIDLAND RADIOS \$20,895.44

Case, Radio, Midland
Antenna, UHF, Midland
Holder, Battery, Midland
Speaker/Microphone, Midland, ACC-720G
Cable, Cloning, Midland, ACC-2305G
Radio, Midland, UHF (*TRACKABLE*)
Liner, Foam
Box, Fiberglass w/ACC, 21 x 20 x 15
Battery, AA
Kit Inventory Worksheets
Lead Box Seals
Radio Tracking Sheets
Frequency Sheets
T-Cards, Radio Accountability

NFES 4244X2

004355 4 EA
004540 19 EA
000030 19 PG
004544 4 EA
004537 16 EA
004542 16 EA
004535 16 EA
004543 4 EA

MOTOROLA XTS-2500 RADIOS \$20,580.11

Antenna, Mobile MAG, VHF/UHF
Antenna, UHF, for Motorola XTS-3000
Battery, AA
Cable, Cloning, Motorola Radiom XTS- 5000 #RKN4108
Holder, AA Battery, for Motorola XTS-2500 Radio
Holster, Leather, for Motorola XTS-3000 #NTN9184
Radio, Motorola, XTS-2500 (*TRACKABLE*)
Speaker, Mike, for Motorola XTS-3000 #NMN6193

INCIDENT COMMUNICATIONS SECTION

LOGISTICS RADIO KIT (continued)



INCIDENT COMMUNICATIONS SECTION

LOGISTICS REPEATER KIT \$10,585.15

NFES 004248

Loc: GBK

TOTAL 2 PIECES: WT: 95 lb

CU: 4.5 ft

Piece 1/BOX:

WT: 80 lb

CU: 3.5 ft

DIM: 21"x21"x15"

Piece 2/MASTS:

WT: 15 lb

CU: 1.0 ft

DIM: 60"x3"x3"

The Logistics Repeater Kit must be used in conjunction with the Logistics Radio Kit, NFES #004244. This is a battery operated portable repeater designed for mountainous terrain and/or extended area coverage. This kit is used for fire logistics functions which include ICP to Dispatch Center, staging area to ICP, Helibase to ICP, Helispots to ICP, Ground Support Units as well as for outlying service functions to Communications Units. Non fire related incidents may be able to utilize this kit in command/tactical situations. **Resource orders must indicate what frequency will be required, e.g. L1, L2, etc.** ALL frequencies must be cleared for use by the NIICD CDO and the COMC.

NFES	QTY	DESCRIPTION
004304	1 EA	Antenna, UHF Whip w/ PO-UHF Load
004489	1 EA	Base, Antenna w/Ground Planes
001023	4 EA	Battery, Radio Repeater, Alkaline 7.5 volt
	8 EA	Battery Jumpers, 4 Red and 4 Black
	3 EA	Battery Straps
004309	1 EA	Box, Fiberglass
004326	1 EA	Cable, Coaxial, RG8/U
004677	2 EA	Cable, UHF Duplexer to Radio
004648	1 EA	Card, Audio Control, #C1-RC-4L-10
004180	1 EA	Connector, UHF, 90 Degree
004339	1 EA	Connector, UHF Barrel, Coaxial
004297	1 EA	Duplexer, UHF
	1 RO	Filament Tape
	1 RO	Flagging Tape
	1 BX	Fuses, 3 AG, 5 amp
	1 EA	Garbage Bag
004308	1 EA	Guy Assembly, Antenna w/ Collar
004303	1 EA	Hammer 4 lb.
	3 EA	Instructions, Battery and Antenna Set Up
	3 EA	Kit Inventory Worksheet
	2 EA	Lead Box Seal
004305	3 EA	Masts, Antenna, 5 ft Sections
004659	1 EA	Microphone, Daniels
004652	1 EA	Monitor, System #SM-3-HO-014-00
	1 EA	Power Cord, w/Female Cinch Connector
004683	1 EA	Receiver, UHF Digital #UR-4R420-00-000

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INCIDENT COMMUNICATIONS SECTION

(Continued from page 264)

LOGISTICS REPEATER KIT (continued)

004690	1 EA	Screwdriver, Daniels
004171	1 EA	Screwdriver 6" Straight Slot
004651	1 EA	Subrack w/ Motherboard #SR-39-1
	1 EA	Switch Setting Diagram, Laminated
000825	3 EA	Tent Stakes, Metal
004682	1 EA	Transmitter, UHF Digital #UT-4R420-00-200
004333	1 EA	Wire Assembly, Fused 12 volt Battery Power
	1 EA	Wrench, Allen

INCIDENT COMMUNICATIONS SECTION

MAFFS BASE STATION/FM \$25,549.64

NFES 004660

Loc: GBK

TOTAL 3 PIECES: WT: 85 lb

CU: 8.3 ft

Piece 1/BOX:	Piece 2/BOX:	Piece 3/MASTS
WT: 35 lb	WT: 35 lb	WT: 15 lb
CU: 3.65 ft	CU: 3.65 ft	CU: 1.0 ft
DIM: 21"x21"x15"	DIM: 21"x21"x15"	DIM: 60"x3"x3"

KIT CONTAINS TRACKABLE PROPERTY

The Modular Airborne Fire Fighting System (MAFFS) base stations are used only with the military C-130 air tankers. The MAFFS Base Stations will be issued to tanker bases dedicated to C-130 MAFFS air tankers. Additional TAF-550's are available (without accessories) for non-MAFFS use. This kit is a portable combination 138 to 174 MHz VHF-FM and 760-channel VHF-AM base station. This kit cannot be linked or remoted. The VHF-FM radio is a Technisonic TFM-138B airborne radio and is capable of transmitting 10 watts, 120 pre-set channels, simultaneous Air Guard (168.625) reception, and scanning. The VHF-AM radio is capable of transmitting 7 watts, 10 pre-set channels, and scanning. TAF-550 operates using 115 VAC or 24 VDC/12 VDC* through an automobile accessory plug-in. (24 VDC and 12 VDC* plug-ins are not included with MAFFS Base Stations.) A headset is included for noisy environments in addition to a handheld microphone. *12 VDC not recommended due to high current draw.

NFES	QTY	DESCRIPTION
BOX 1 CONTENTS:		
005328	6 EA	Adapter Kit, King to SPH4 Helmet
	2 EA	Adapter, Sigtronics #900051
005321	11 EA	Antenna, Helical King
004830	180 EA	Battery, AA
001034	10 EA	Battery Holder, King
004309	1 EA	Box, Fiberglass
005331	10 EA	Case, King Radio
	6 EA	Earpiece, Radio
	3 EA	Frequency Sheets, King VHF
001086	4 EA	Harness, Chest, Radio
	4 EA	Headset, David Clark H10-66
	12 EA	Pads, Alcohol
004322	10 EA	Radios, King, EPH
005330	6 EA	Speaker, Mike, King
	25 EA	T-Cards, Radio Accountability

BOX 2 CONTENTS:

	2 EA	Adapter, BNC to UHF
004343	1 EA	Antenna, A/C Wideband, P/O 4370
004464	1 EA	Antenna, Gain Whip, VHF, P/O 4312
004489	1 Ea	Base Antenna, VHF w/ Ground Planes

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INCIDENT COMMUNICATIONS SECTION

(Continued from page 266)

MAFFS BASE STATION/FM (continued)

004309	1 EA	Box, Fiberglass
004326	4 EA	Cable, Coaxial, RG 8/U
004339	3 EA	Connector, UHF Barrel, Coaxial
	1 RO	Filament Tape
	1 RO	Flagging Tape
	1 EA	Fuse, 5A-AGC
	1 EA	Fuse, 7.5A-MDL
	1 EA	Fuse, 3A-MDL
	1 EA	Fuse, 2A-MDL
	1 EA	Garbage Bag
004308	2 EA	Guy Assembly, Antenna w/ Collar
004303	1 EA	Hammer, 4 lb
	1 EA	Headset, S-40
	1 EA	Information Packet, TAF-550
	1 EA	Information Sheet, TDFM-136 Radio, Basic Programming
004305	9 EA	Mast, Antenna, 5 ft Section
	1 EA	Microphone, Handheld
	1 EA	Power Cable, 115 Volt
004066	1 EA	Radio, TDFM-136, P25
000825	6 EA	Tent Stakes
	1 EA	Wrench, Allen



INCIDENT COMMUNICATIONS SECTION

PORTABLE IR DOWNLINK KIT \$1,313.98

NFES 004800

Loc: GBK
WT: 20 lb
CU: 1.11 ft
DIM: 13"x21"x7"

KIT CONTAINS TRACKABLE PROPERTY

The Portable IR Downlink is designed for use by Infrared Interpreters (IRIN) only. It is used to transfer data from an infrared aircraft flying fire missions to the IRIN on the ground in situations where delivery time is critical. Easy to follow setup instructions are included so all the user needs to do is set up the antenna, connect a CAT5 cable to the computer, and turn it on. All data will be transferred by the technician in the aircraft to the "My Documents" directory on the PC in the ground station.

This unit is designed to operate on 115 Vac 60 HZ systems so the user will need to find a suitable power source. The data links utilize the 902-928 MHz public spectrum which has a 1 watt power limitation, but since this is for EMERGENCY USE ONLY, the National Interagency Incident Communications Division (NIICD) has been granted a license to use up to 5 watts of power. This can cause severe interference in the public spectrum so this unit is to be utilized only as necessary and then turned off once the data transfer is complete. NOTE: This unit is not to be shut down until communications has been established to the aircraft and notification has been received that all data has been transferred.

The PC included in this kit is for use by the IRIN for the manipulation and viewing of the infrared imagery. Most applications needed by the IRIN are included, but in the event more applications are needed, administrative rights to install software/drivers have been initiated. The procurement and installation of approved software is the IRIN's responsibility. A CD-R/W drive has been included in the PC so user created data can be removed. Procurement of suitable media is the responsibility of the IRIN. When the units are returned to NIRSC, the hard drives will be re-stored to their original condition and all data on the units will be completely and irretrievably erased. Data storage and archival operations are to be performed by the IRIN.

Kits can be delivered by the infrared aircraft only after a resource order has been processed and approved by the incident. Once the infrared aircraft is released from the incident, the kit must be promptly returned to NIRSC for refurbishment. **The PC included in this kit is NOT to be used for other purposes.**

These kits are not to be transferred to other incidents before being returned to NIRSC at NIFC.

NFES	QTY	DESCRIPTION
	1 EA	Cable, Ethernet 6'
004806	1 EA	Case, I/R
004805	1 EA	Computer, Laptop, I/R
004804	1 EA	Foam Liner
	1 EA	HD, 320GB, Western Digital, My Passport, Red
	1 EA	Operating Instructions
	1 EA	Power Supply for Notebook Computer
004293	1 EA	Surge Protector, 6 Outlet Data Shield

INCIDENT COMMUNICATIONS SECTION

PUBLIC ADDRESS KIT \$1,202.20

NFES 004410

Loc: GBK
WT: 60 lb
CU: 3.65 ft
DIM: 20"x21"x15"

This kit is primarily used at the ICP or in staging areas that house large numbers of personnel. It allows for the broadcasting of information or paging from a central point. The amplifier can be powered by either A/C or batteries.

NFES	QTY	DESCRIPTION
004397	1 EA	Amplifier, Audio, PA
001233	2 EA	Battery, Radio Hot Shot, 6 volt
	6 EA	Battery Connectors
004309	1 EA	Box, Fiberglass w/ ACC, 21 x 20 x 15
001172	1 EA	Cord, Extension 100 ft.
	1 RO	Filament Tape
	1 RO	Flagging Tape
	1 BX	Fuses, 3AG 1 amp
	1 EA	Garbage Bag
	3 EA	Installation Instructions
	3 EA	Kit Inventory Worksheets
	2 EA	Lead Box Seal
005037	1 EA	Microphone, Dynamic
000325	1 EA	Pliers, Lineman 6"
004171	1 EA	Screwdriver 4"
004063	3 EA	Speaker, Audio, PA
004377	1 RO	Wire - Control, 20 AWG
	10 EA	Wire Nuts, Small

INCIDENT COMMUNICATIONS SECTION

REMOTE KIT

NFES 004330

Loc: GBK

**TOTAL 2 PIECES: WT: 103 lb
CU: 4.5 ft**

Piece 1/BOX:	Piece 2/MAST:
WT: 95 lb	WT: 8 lb
CU: 3.65 ft	CU: 1.0 ft
DIM: 20"x21"x15"	DIM: 60"x3"x3"

This kit can be used with the NIRSC King radios. UHF and VHF radios are included in this kit. Use of this kit, in conjunction with King radios allows a remote base station to be installed up to a half mile away from the ICP, camps, helibase, etc., to gain communications with other incident locations. With additional field wire, runs up to several miles can be made.

The radio, chassis and battery are enclosed in a steel box which is removable from the shipping container. This allows for placement of the box at the base of the antenna while running only a wire pair to the desk set location. Several antenna options are available including Omni directional UHF and VHF antennas and a breakdown UHF Yagi directional gain antenna. **ALL** frequencies must be cleared by NIICD CDO or COMC.

NFES	QTY	DESCRIPTION
004305	3 EA	Antenna Mast #LANCE H-518
004464	1 EA	Antenna - Gain Whip,
004304	1 EA	Antenna, UHF, Whip
005208	1 EA	Antenna, UHF Yagi
004489	1 EA	Base Antenna w/Ground Planes
001233	2 EA	Battery, Radio Hot Shot 6 volt
001023	2 EA	Battery, Radio Repeater, 7.5 volt
	6 EA	Battery Jumpers, 3 Red and 3 Black
005338	1 EA	Box, Aluminum
004309	1 EA	Box, Fiberglass
004471	1 EA	Box, Remote Chassis
004326	1 EA	Cable, Coaxial RG8/U
004180	1 EA	Connector, 90 Degree, UHF
004339	1 EA	Connector, UHF Barrel, Coaxial
	1 EA	External Power Cord w/2 Prong Plug
	1 RO	Filament Tape
	1 RO	Flagging Tape
	1 BX	Fuses, 5 amp
	1 EA	Fuse, 5 amp For Chassis Only
	1 EA	Garbage Bag
004308	1 EA	Guy Assembly, Antenna w/ Collar
004303	1 EA	Hammer 5 lb
	3 EA	Installation Instructions
	3 EA	Kit Inventory Worksheets
	42 EA	Lead Box Seals

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INCIDENT COMMUNICATIONS SECTION

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REMOTE KIT (continued)

005342	1 EA	Panel, Termination DC Line
000325	1 EA	Pliers, Lineman 6"
004171	1 EA	Screwdriver 4"
004409	1 EA	Speaker, External, 8 OHM, 10 watt
000825	3 EA	Tent Stakes, Metal
004274	1 EA	Transformer, A/C 120V to 12V D/C
004332	1 RO	Wire, Field Telephone, 1/2 mile
004302	1 EA	Wire Assembly, Fused 1 amp, 3 Prong
	6 EA	Wire Nuts
	1 EA	Wrench, Allen

SUBKITS:

NFES 04330K

004322	1 EA	Radio, King, VHF, EPH
004404	1 EA	Radio, King, UHF, EPH
004473	1 EA	Desk Set, Remote
005326	1 EA	Cable Connector Assembly, King
005327	1 EA	Cable, King Accessory w/ Antenna

KING

\$2,907.70

NFES 04330M

005344	1 EA	Battery Eliminator, Motorola XTS5000
005346	1 EA	Battery Eliminator, Motorola XTS2500
005341	1 EA	Cable Connector Assembly, Motorola
004480	1 EA	Handset, DC w/ DTMF Keypad
004466	1 EA	Radio, Motorola XTS5000
004535	1 EA	Radio, Motorola XTS2500, UHF

MOTOROLA

\$6,422.59



INCIDENT COMMUNICATIONS SECTION

STARTER SYSTEM ICS COMMAND/LOGISTICS RADIO KITS

NFES 004390

Loc: GBK

TOTAL 17 PIECES: WT: 961 lb

CU: 38.67 ft

10 BOXES:

WT: 905 lb

CU: 36.50 ft

DIM: 10 BX @ 20"x21"x15"

7 SETS OF MASTS:

WT: 56 lb

CU: 2.17 ft

DIM: 7 ST @ 60"x3"x3"

KIT CONTAINS TRACKABLE PROPERTY

These kits are designed to be the initial system to support basic incident communication requirements. This system provides the equipment necessary to facilitate immediate communications for command, tactical, logistical and ground-to-air needs.

The Starter System consists of:

- 1 Command Repeater (specify frequency)
- 3 Command/Tactical Radio Kits (48 radios total)
- 1 Ground Aircraft Radio/Link Kit with 4 ICOM radios (2 Boxes)
- 2 Remote Kits
- 1 Logistics Repeater (specify frequency)
- 1 Logistics Radio Kit with 16 radios

Logistic capabilities are included with all Starter Systems, e.g., logistics repeater, logistics kit and 2 remote kits. The Command Repeater Kit is marked appropriately on the outside with the frequencies C1, C2, C3, C4, C5, C6, and C7 and includes the NIRSC User's Guide. ALL frequencies must be assigned and cleared by the NIICD CDO prior to shipment.

For multi-incident COMLs or multi-incident complexes where several ICS Starter Systems are being ordered, the assigned Communications Coordinator (COMC) must be contacted for ordering, system planning and frequency coordination assistance. For single incident situations where communications personnel are not familiar with equipment, the NIICD CDO must be contacted.

The cost for this system is approximately \$150,000.00 but will vary according to the kits and subkits that are actually ordered and sent.

NFES	QTY	DESCRIPTION
004381	3 EA	COMMAND/TACTICAL RADIO KIT
004312	1 EA	COMMAND REPEATER
004370	1 EA	GROUND AIRCRAFT RADIO/LINK KIT (2 Boxes)
004244	1 EA	LOGISTICS RADIO KIT
004248	1 EA	LOGISTICS REPEATER
004305	24 EA	MASTS, ANTENNA 5 FT SECTIONS
004330	2 EA	REMOTE KIT

INCIDENT COMMUNICATIONS SECTION

STARTER SYSTEM (continued)



INCIDENT COMMUNICATIONS SECTION

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