

**ROCKY MOUNTAIN AREA
INTERAGENCY
MOBILIZATION GUIDE**

CHAPTER 70 - EQUIPMENT and SUPPLIES

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70 EQUIPMENT AND SUPPLIES - GENERAL

Each unit should maintain tools and supplies at a level to handle normal operations for initial attack and minor support, such as outfitting available forces on the unit, regular fire replacement, and normal fire activity. Local cache inventory lists are due to RMK by April 1, annually.

71 AREA RADIO CACHES

71.1 National ICS Starter Radio Systems

Rocky Mountain Area Coordination Center will preposition 2 National ICS Starter Radio Systems (NFES #4390), with the ability to preposition up to 4 as the need arises, at RMK from May 15 - October 15 annually. For information on Starter Systems, refer to the National Incident Radio Support Cache User's Guide, NFES #0968, or the NWCG Fire Supplies and Equipment Catalog Part 1, NFES #0362.

A Communications Unit Leader will be required for all dispatches of this system.

All NFES 4000 Series Radio Kits are ordered as **Equipment**.

All radio equipment orders are sent direct to RMC.

72 NATIONAL CONTRACT MOBILE FOOD SERVICES AND SHOWER FACILITIES

For a complete listing of the Schedule of Items and contract specifications for the National Mobile Food Service Contract and National Mobile Shower Facilities Contract, refer to the publications NFES #1276 and NFES #2729. This information can also be found at: <http://www.fs.fed.us/fire/contracting/index.htm>. (Refer to NMG 72)

73 ATMOSPHERIC THEODOLITE METEOROLOGICAL UNIT (ATMU) (NFES #1836)

When on-site weather forecasting is needed, there are two ATMUs (Atmospheric Theodolite Meteorological Unit) available within RMA. They are located at the Rocky Mountain Fire Cache (RMK) in Lakewood, Colorado. (Refer to RMG 23.5, NMG 73)

Refer to the NWCG National Fire Equipment System (NFES) Catalog for additional ATMU component descriptions and further information. (NFES #1836)

An Incident Meteorologist (IMET) will be ordered for each Type 1 Incident within the Rocky Mountain Area. During an assignment, an IMET may place a resource order for a NWS Atmospheric Theodolite Meteorological Unit. (ATMU). All associated items (helium, setup tools and related supplies) are provided under the ATMU resource order request, no additional resource order requests are necessary. Costs associated with an ATMU are reimbursable.

74 FIRE/PROJECT REMOTE AUTOMATIC WEATHER STATIONS (FRAWS -NFES #5869 / PRAWS – NFES #5870)

Refer to NMG Chapter 74 for further information.

75 ENGINES AND WATER TENDERS

Although the national standard staffing for most engines is two personnel, all engines and tender orders shall specify the staffing deemed appropriate to ensure firefighter safety. In most instances, it will be necessary to specify 3 personnel on Type 4-7 engines to ensure that the principals of LCES are adequately met. Engines staffed by 2 personnel may be ordered only when doing so will not compromise firefighter safety.

When ordering engines, RMA centers must specify on the Resource Order the staffing requested. Engine orders without staffing specification will have the staffing requirement clarified with the ordering entity prior to processing the resource order.

Water tenders shall be ordered with staffing appropriate to task assigned. Staffing for support purposes such as engine refill or dust abatement should be single operator. Water tenders used for tactical purposes where water delivery will be directly to suppression such as hose lays, live reels, or spray bars should be staffed with two personnel. Staffing needs shall be stated on the Resource Order at the time of order.

Engine Types

ENGINE TYPE							
	STRUCTURE ENGINES		WILDLAND ENGINES				
Requirements	1	2	3	4	5	6	7
Tank Minimum Capacity (gallons)	300	300	500	750	400	150	50
Pump Minimum Flow (gpm)	1000	500	150	50	50	50	10
@ rated pressure (psi)	150	150	250	100	100	100	100
<u>Hose (feet)</u>							
2 ½ inch	1200	1000	-	-	-	-	-
1 ½ inch	500	500	1000	300	300	300	-
1 inch	-	-	500	300	300	300	200
Ladder per NFPA 1901	Yes	Yes	-	-	-	-	-
Master Stream 500 gpm min.	Yes	-	-	-	-	-	-
Pump and Roll	-	-	Yes	Yes	Yes	Yes	Yes
Maximum GVWR (lbs)	-	-	-	-	26,000	19,500	14,000
Personnel (minimum)	4	3	3	2	2	2	2

Water Tender Types

Requirements	Water Tender Types				
	Support			Tactical	
	S1	S2	S3	T1	T2
Tank Capacity (gallons)	4000	2500	1000	2000	1000
Pump Minimum Flow (gpm)	300	200	200	250	250
@ rated pressure (psi)	50	50	50	150	150
Max Refill time (minutes)	30	20	15	-	-
Pump and Roll	-	-	-	Yes	Yes
Personnel (minimum)	1	1	1	2	2

1. All types shall meet federal, state and agency requirements for motor vehicle safety standards, including all gross vehicle weight ratings when fully loaded.
2. Type 3 engines and tactical water tenders shall be equipped with a foam proportioner system.
3. All water tenders and engine types 3 through 6 shall be able to prime and pump water from a 10 foot lift.
4. Personnel shall meet the qualification requirements of NWCG Wildland Fire Qualification System Guide May 2008, PMS 310-1.

Common Additional Needs – Request as Needed

All-Wheel Drive (includes four wheel drive).
 High Pressure Pump (250 psi at one half flow of Type)
 Foam Proportioner
 Compressed Air Foam System (CAFS) with minimum 40 cfm Compressor
 Additional Personnel
 Gel-Capable

75.1 Area Engine Listing (By Dispatch Center)

AVAILABLE FOR IN AREA or NATIONAL ASSIGNMENTS

FEDERAL

CENTER	Ty 1	Ty 2	Ty 3	Ty 4	Ty 5	Ty 6	Ty 7	Total
CO-CRC	-	-	-	2X	-	9X	-	11
CO-DRC	-	-	-	3X	-	14X	-	17
CO-FTC	-	-	1	-	-	10	1	12
CO-GJC	-	-	-	2X	-	9X	-	11
CO-MTC	-	-	-	2X	-	5X	-	7
CO-PBC	-	-	-	-	-	22X	2	24
SD-GPC	-	-	-	10	-	81	6	97
WY-CDC	-	-	-	3X	-	16X	3X	22
WY-CPC	-	-	-	*1X	-	11	-	13
WY-RWC	-	-	-	1X	-	6X	1	8

COOPERATORS

CENTER	Ty 1	Ty 2	Ty 3	Ty 4	Ty 5	Ty 6	Ty 7	Total
CO-CRC	-	-	-	-	-	2X	-	2
CO-DRC	-	1	3	-	-	3	-	7
CO-FTC	82	22	13	0	3	88	7	221
CO-GJC	44	6	5	5	2	31	4	97
CO-MTC	2	-	-	-	-	2X	-	4
CO-PBC	10	5	5	-	-	30X	-	50
SD-GPC	43	22	18	27	11	133	29	283
WY-CDC	2	-	3	5	-	4	-	14
WY-CPC	8	-	2	19	1	34	-	64
WY-RWC	5	3	5	30*	-	32	-	75

CONTRACTORS**

CENTER	Ty 1	Ty 2	Ty 3	Ty 4	Ty 5	Ty 6	Ty 7	Total
CO-CRC	-	-	-	-	-	-	-	-
CO-DRC	-	-	-	-	-	5	-	5
CO-FTC	-	-	1	-	-	4	-	5
CO-GJC	-	-	-	-	-	-	-	-
CO-MTC	-	-	-	-	-	1X	-	1
CO-PBC	-	-	-	-	-	5X	-	5
SD-GPC	-	-	-	2	-	8	-	10
WY-CDC	-	-	-	-	-	-	-	-
WY-CPC	-	-	-	2	-	3	-	5
WY-RWC	-	-	-	-	-	-	-	-

An "X" after the type number denotes 4-wheel drive.

*Some CPC & RWC Type 4 Engines are 6 wheel drive, 2 ½ TON, military vehicles.

**Contractor Engines will be staffed with 3 personnel or according to contract specifications. (Refer to RMG 23.9)

76 RETARDANT PLANTS

76.1 Portable/Mobile Retardant Bases

Portable/mobile retardant bases are available through EERAs established in the National Long-Term Fire Retardant Requirement Contract. Units may order these items directly, utilizing the provisions in the contract. The National Long-Term Fire Retardant Requirement Contract can be accessed on the web at <http://www.fs.fed.us/fire/contracting/index.htm>.

77 SPECIALIZED EQUIPMENT

77.1 Aerial Ignition Devices

77.1.1 Helitorches (Aerial Drip Torch)

AGENCY/UNIT

Rawlins Field Office
Shoshone National Forest
*Montrose Interagency Fire Mgmt. Unit
Upper Colorado River Management Unit

LOCATION

Rawlins, Wyoming
Cody, Wyoming
Montrose, Colorado
Rifle, Colorado

77.1.2 Aerial Ignition Devices (Plastic Sphere Dispensers)

AGENCY/UNIT

*Black Hills National Forest
*Grand Junction BLM
Montrose Interagency Fire Mgmt. Unit
*Mesa Verde National Park
*Pike National Forest
+Rawlins Field Office
*San Juan National Forest
Shoshone National Forest
*Northwest Colorado Fire Mgmt.
Ute Mountain Ute Agency

LOCATION

Custer, South Dakota
Rifle, Colorado
Montrose, Colorado
Mesa Verde, Colorado
Monument, Colorado
Rawlins, Wyoming
Durango, Colorado
Cody, Wyoming
Craig, Colorado
Towaoc, Colorado

77.1.3 Terra Torches

AGENCY/UNIT

Colorado State Forest Service
*Rawlins District BLM
Rock Springs BLM
*Southern Ute Agency
* Northwest Colorado Fire Mgmt.
* Montrose Interagency Fire Mgmt. Unit
Worland BLM

LOCATION

Ft. Collins, Colorado
Rawlins, Wyoming
Rock Springs, Wyoming
Ignacio, Colorado
Craig, Colorado
Montrose, Colorado
Worland, Wyoming

77.1.4 Batch Mixer

A Batch Mixer is a large tank used for mixing large quantities of Helitorch Fuel. Once mixed, the fuel is then put into 55-gallon drums.

AGENCY/UNIT

LOCATION

*Montrose Interagency Fire Mgmt. Unit	Montrose, Colorado
*Rawlins Field Office	Rawlins, Wyoming
Shoshone National Forest	Lander, Wyoming
Rock Springs BLM	Rock Springs, Wyoming

***Must be accompanied by a qualified operator from the home unit.**

+Must be accompanied by a qualified Operator and Module from the home unit.

77.2 Probeyes

None are available in the RMA.

77.3 Seed Buckets

RMA has one seed bucket available at the Jeffco Tanker Base in Broomfield, Colorado.

An operator must accompany the seed bucket to any incident. Call RMC for availability of operator.

The seed bucket characteristics are:

Weight:	225 lbs.
Volume:	37 cubic feet or 280 gallons
Capacity:	900 - 1000 lbs. grass seed and/or fertilizer

77.4 Potable Water Tender

Potable water tenders are available from contractors, State Forestry Divisions, National Guard Units, and Military units.

78 AREA 250 PERSON CACHE VANS NFES #2069

(Refer to RMG 23.12 for ordering procedures)

There are six mobile cache vans available in the Rocky Mountain Area. They are or will be pre-positioned at the following locations:

Dispatch Center/Cache	Location	City/State
GPC	Black Hills National Forest	Custer, SD
CDC	Wind River Agency	Ft. Washakie, WY
RMK	Rocky Mountain Area Cache	Lakewood, CO
GJC	Grand Junction Air Center	Grand Junction, CO
DRC	Trimble Work Center	Durango, CO

The 6th cache van will be pre-positioned based on the predicted RMA Seasonal Outlook.

The RMK Supply Resource Order will reside at RMC. Should an incident need a mobile cache van, the order is placed on a supply order and sent to RMC, who will coordinate with RMK to fill the order.

Contents of the vans can be found in the National Fire Equipment Catalog under NFES #2069.

The RMA cache vans contain the following additional items:

12 PG	Battery AA	(#0030)
1 EA	Kit, Chainsaw	(#0340)
1 EA	Kit, Helicopter Support	(#0520)
5 EA	Shirt, Fire, XX-Large	(#0570)
2 EA	Kit, Pump, Mark III	(#0870)
10 LG	Hose, Synthetic 1”	(#1238)
10 LG	Hose, Synthetic, 1 ½”	(#1239)

These items will be automatically included with the order for a van and do not need to be ordered separately. (Local RMK cache item #12069)

78.1 Heavy Truck Transportation

The RMC has a general listing of available Government contract lowboys and tractors. However, government owned and local vendors should be utilized whenever they are more cost and time efficient. The following is a partial listing of available government agencies to contact to haul cache vans.

<u>AGENCY/UNIT</u>	<u>LOCATION</u>
CO State Forestry	Ft Collins, CO
CO BLM (GJC)	Grand Junction, CO
Rock Springs BLM	Rock Springs, WY
Rawlins BLM	Rawlins, WY
Ft. Washakie BIA	Ft. Washakie, WY
WY State Forestry	Cheyenne, WY
Rocky Mountain NP	Estes Park, CO