

CHAPTER 40 - EQUIPMENT and SUPPLIES

All equipment and supply orders will follow established ordering procedures (Type 1, 2, 3 incidents), except for the redistribution of supplies within the National Fire Equipment System (NFES). Redistribution of excess supply items will be coordinated by the designated NFES Cache Manager(s). Cache orders will be filled to meet timeframes specified, using the most economical service. All NFES cache items are shipped ready for fireline use.

EQUIPMENT/SUPPLIES MOBILIZATION (NMG, Ch. 40)

Contracted resources awarded under a competitive solicitation process shall be mobilized using established dispatch priority lists (DPLs) within their local dispatch area before at incident agreements are issued. All requests for Contracted equipment shall be ordered through the Host Dispatch Centers identified in the agreement and using established dispatch ordering channels. Dispatchers shall not hold Contracted resources in reserve as a contingency force in a non-pay status when that resource is available.

Examples of Equipment resources are:

- National Contract Mobile Food Services (Caterers)
- National Contract Mobile Shower Facilities
- Rolling Stock - engines, water tenders, dozers, etc.

Supplies will be requested on a Supply (S) order. Supplies are identified as materials or goods not defined in any other resource or service category.

Examples of Supply resources are:

- NFES items
- Mobile Cache Vans (other than MI-HIF Cache Trailer).
- Local Purchase

EQUIPMENT/SUPPLIES DEMOBILIZATION (NMG, Ch. 40)

When demobilizing contracted tactical equipment, contracts awarded Incident Blanket Purchase Agreements (I-BPAs) as a result of competitive solicitations, shall be given priority to remain on the incident over tactical equipment with incident only EERAs, unless the Incident Commander determines it necessary to deviate based on a specific incident need or objective. This applies to contracted tactical equipment only, not all contracted resources.

Release information for equipment and accountable supply items must be promptly relayed through ROSS.

Northeast Interagency Fire Cache (NEK) requires notification prior to returning supplies and equipment. Consider ordering a Cache Demobilization Specialist (CDSP) to facilitate efficient demobilization of supplies to NEK. Fire Cache personnel will be able to answer any questions that may arise concerning the demobilization of supplies and equipment.

Returned items should be boxed. An NFES 1472 Interagency Incident Waybill, including incident order number and charge code, is required prior to shipment. Drivers of return loads must have the required NFES 1472 Interagency Incident Waybill for the shipment. They may not be allowed to unload at NEK until the waybill is obtained.

All items furnished to incidents by NEK are considered to be on loan and must be returned. All items must be returned in a timely manner to NEK during the demobilization process of the incident. If items are requested to be retained after an incident, the items are required to be transferred from the incident order to a preparedness order. It is very important that equipment not be retained for anticipated needs unless prior arrangements have been made through NEK.

Some items are expendable; i.e.: rations, disposable mess gear, one quart disposable canteens, gloves, etc. Used expendable items should not be returned to NEK. Items which are NOT expendable and have continuing use/value should be returned; i.e.: canteen cover pack frames, fire tools, sheaths, spare parts, etc.

Hazardous Materials: Most incidents use petroleum products in their operations: gasoline, diesel, mixed fuel, etc. These fuels or products should remain at the incident or be recycled by the host agency to be used for control burn projects, etc. The containers (i.e. gas cans, saws, pumps) issued from the cache must be purged and returned to NEK. In the event that full or partial containers of these products must be disposed of, contact local contractors for disposal.

Hose should be drained, dried, and rolled following control of the incident and returned to NEK immediately. Certain types of hose begin to deteriorate at a rapid rate even with slight dampness. For this reason, do not store used hose for later use; it must be returned to NEK promptly.

Kits used on an incident should be reassembled before they are returned to NEK to facilitate reconditioning. Report all usage and/or damage prior to return shipment.

Following a Type 1 or Type 2 incident, NEK will provide a Fire Loss/Use Report to the appropriate Agency Office showing the amount and cost of equipment sent and items returned to date from a particular incident. Please contact EACC with questions on these procedures.

NATIONAL INTERAGENCY SUPPORT CACHE ORDERING PROCEDURES (NMG, Ch. 40)

The Northeast Interagency Fire Cache (MN-NEK), located in Grand Rapids, Minnesota, is the National Interagency Support Cache for the Eastern Area.

All State and Federal units will place orders directly to NEK via resource orders. Purchase orders, requisitions, and/or credit card orders are no longer accepted. Units can purchase directly from GSA or a supplier. Contact the NEK manager for further details. See EMG, Ch. 70 for contact information.

- All supplies should be ordered using the resource order form directly to the cache via ROSS, email or fax with receipt confirmed by a phone call.

- Fire replacement orders must also follow the appropriate dispatch channels and ordered directly to the cache.
- Resource orders must contain:
 - Realistic date and time needed
 - NFES numbers and unit of issue
 - Transportation/delivery instructions
 - A valid charge code
 - Contact name and phone number

Prior to placing an order, units should check orders to identify immediate critical item needs, cost effectiveness, numbers and completeness.

Non-standard items must be agreed upon in advance or purchased locally.

NFES ITEMS IN SHORT SUPPLY (NMG, Ch. 40)

INCIDENT SERVICE AND SUPPLY PLAN

Refer to Chapter 20 in the Interagency Incident Business Management Handbook (IIBMH) for specific documents to be included in the service and supply plan.

RECOMMENDED ORDERING OF EQUIPMENT AND SUPPLIES FOR EASTERN AREA INCIDENTS

The following resource items should be ordered whenever an Incident Management Team is ordered for an Eastern Area incident:

- Starter System ICS Command/Logistics Radio system (NFES 4390)
- Eastern Area Mobile Cache Support Van (NFES 7521)
- Medical Unit Leader, if not on the IMT Roster
- The following items should also be considered for ordering whenever an Incident Management Team is ordered for an Eastern Area incident (depending on the local area's ability to support the incident):
 - Caterer (along with Contract Officer's Technical Representative (COTR))
 - Food Unit Leader (FDUL)
 - Shower Unit

Additionally, teams have pre-orders which will be relayed and negotiated with the requesting unit at the time of dispatch.

PROCEDURES FOR NORTHEAST (NEK) EASTERN AREA MOBILE CACHE SUPPORT VAN (NFES 7521)

The Northeast Interagency Fire Cache (NEK) does not stock a National Mobile Cache Support Van (NFES 2069) but instead stocks an Eastern Area (EA) Mobile Cache Support Van (NFES 8621). The Eastern Area Mobile Cache Support Van (NFES 8621) contains incident base supplies such as overhead function kits and copy machines, as well as tactical firefighting supplies such as pumps, hose, hand tools, first aid kits,

etc. NEK will have two EA Mobile Cache Support Vans (NFES 8621) loaded in semi-trailers available each spring. Additional EA Mobile Cache Support Vans will be activated as necessary. When NEK's ability to build these regional kits is exhausted, National Mobile Cache Support Vans (NFES 2069) may be brought in from another national cache to fill the need.

Mobilization for the EA Mobile Cache Support Van will be coordinated by NEK through EACC.

When the need exists to have an EA Mobile Cache Support Van prepositioned somewhere besides the Northeast Interagency Fire Cache, a preparedness resource order will be submitted directly to NEK by the requesting unit.

Dispatching of the Cache Van on Host Unit Incidents:

When needed on the unit, the host unit will reassign the cache van from the preparedness order to an incident resource order. The host unit will notify NEK that the cache van has been assigned to an incident.

Dispatching of the Cache Van off Host Unit Incidents:

The requesting unit will place a resource order through normal dispatch channels to EACC. EACC will place the resource order with the host unit for assignment of the cache van to the off unit incident. The host unit will arrange for movement to the incident by relaying the resource order activating the cache van.

PROCEDURES FOR HIAWATHA NATIONAL FOREST INITIAL ATTACK 40 PERSON MOBILE SUPPORT CACHE TRAILER

The Hiawatha National Forest (MI-HIF) in the Upper Peninsula of Michigan has a mobile Initial Attack Cache Support Trailer capable of supporting up to 40 firefighters. It contains a variety of tactical firefighting equipment and supplies such as generators, pumps, Nomex®, hand tools, Meals Ready-to-Eat (MREs), etc. It is available to Michigan and other Great Lake states, as well as to parts of the Mid-Atlantic and Big Rivers areas.

This Initial Attack Cache Support Trailer is ordered as a ROSS Equipment resource order and will be placed to EACC, who will place it with the Michigan Interagency Dispatch Center (MI-MIDC). Due to the need to hire a local contractor to move the trailer, there are some limitations as to travel timeframes. The inventory list for both trailers is located on the EACC web site under Equipment and Supplies.

FIELD OFFICE REPLENISHMENT DURING FIRE SEASON (NMG, Ch. 40)

Agencies will use the NFES 1300 Incident Replacement Requisition to place replenishment orders to NEK through normal dispatching procedures. Replacement orders must be the result of local fire suppression activities and have the appropriate wildland fire fund code. Also see replacement procedures outlined in NMG, Ch. 40.

FIELD OFFICE REPLENISHMENT OUTSIDE OF FIRE SEASON (NMG, Ch. 40)

Preparedness orders or orders outside of fire season should be submitted to Defense Logistics Agency (DLA) or other sources of supply, as appropriate. This avoids duplicate transportation and handling costs.

INCIDENT REPLACEMENT OF NFES ITEMS (NMG, Ch. 40)

EACC will not process Incident Replacement Requisitions. It is the responsibility of the overhead or crew to obtain necessary signatures before leaving the incident.

Prior to release from an incident, personnel may request replacement of equipment and supplies that were consumed, lost, damage or rendered unserviceable on the incident.

The IMT or other incident personnel may authorize replacement of items at the incident if available, or by approving an Incident Replacement Requisition, OF-315/NFES 001300, for replacement of NFES items by the incident's servicing cache. Should the replacement of the approved items not be feasible prior to demobilization of the requesting resource, the incident's servicing cache will forward the request to the resource's servicing cache.

Caches may only process requests for NFES items. Requests for non-NFES items should be requested on a separate Incident Replacement Requisition to be processed by their home unit. Please refer to the current Interagency Incident Business Management Handbook (IIBMH), Chapter 30 for procedures dealing with replacement of non-NFES supplies and equipment.

LOCAL UNIT INCIDENT REPLACEMENT: TYPE 3 AND 4 INCIDENTS (NMG, Ch. 40)

The hosting units' Agency Administrator or authorized representative must approve all replacement requests.

INCIDENT TO INCIDENT TRANSFER OF EQUIPMENT AND SUPPLIES (NMG, Ch. 40)**NATIONAL INCIDENT RADIO SUPPORT CACHE (NIRSC) (NMG, Ch. 40)**

NIRSC is a national resource composed of multi-channel radio systems and kits available for complex incident communications. The priority use of NIRSC radio systems and kits are for active incidents. All radio systems and kits must be returned to NIRSC as soon as the incident has demobilized.

A National Communications Duty Officer (CDO) is available at NIRSC throughout the year, 208-387-5644. Geographic Area Frequency Managers, Communications Coordinators (COMC), and Incident Communication Unit Leaders (COML) will coordinate with NICC, EACC, and the NIRSC CDO on all telecommunications issues.

NIRSC stocks NFES 4390 Starter Systems, which will provide the initial Command/Tactical, Air Operations, and Logistical communications requirements for a single incident. Individual kits are

available to supplement Starter Systems or to provide support for smaller incidents. The NIRSC CDO can provide assistance in determining a specific incident's communications requirements.

NIRSC radios are synthesized and contain both FS and DOI frequencies. FS and DOI frequencies are not "cleared" nationally. Other agencies use these frequencies and, in some cases, in very critical and sensitive areas. All frequencies must be approved for the areas in which they will be used. None of the national frequencies (FS or DOI) are to be used without prior coordination with the NIRSC CDO.

NIRSC issues dedicated FM frequencies in conjunction with communications equipment assigned to the incident. NIRSC will order additional FM frequencies from DOI and FS WO as conditions warrant. Government users may not use Family Radio Service (FRS) for communications on any planned or ongoing incident.

For a complete listing of NIRSC telecommunications equipment, refer to the National Incident Radio Support Cache User's Guide, NFES 0968, http://www.nifc.gov/NIICD/docs/NIRSC_UG.pdf, or the NWCG Fire Supplies and Equipment Catalog, Part 1, NFES 0362, <http://www.nwcg.gov/pms/pubs/catalog.htm>.

All communications equipment and IRAWS kits are ordered as Supply requests through normal dispatch channels to the EACC for processing.

RADIO MOBILIZATION (NMG, Ch. 40)

Requests for NIRSC radio systems and kits will be placed with NICC through established ordering channels. To insure proper frequency coordination, the ordering office must include the Latitude and Longitude of the incident on the resource order. Radios will be used as received without modification. Defective radio equipment will be immediately returned to NIRSC for maintenance. To maintain quality and quantity for the field, each Starter System or kit will be returned to NIRSC for rehabilitation immediately after each assignment. The incident or unit charged with custody of the radio equipment is responsible for a complete inventory of that equipment upon return from the incident.

Each Geographic Area may order up to four (4) Starter Systems for preposition during their established fire season. The NIRSC CDO must be contacted at 208-387-5644 when an order for a Starter System is received for an incident. The CDO will identify which prepositioned Starter System will be assigned to the incident. A replacement Starter System may be requested after commitment of a prepositioned Starter System. Replacement Starter Systems may not be filled where congestion of spectrum is an issue. In these instances, special frequency Starter Systems will be built on an as needed basis and shipped to the incident.

Prepositioned radio systems and kits will be returned to NIRSC as soon as the need has diminished or annually for preventative maintenance. Prepositioning NIRSC radio systems and kits longer than six (6) months requires NIRSC approval.

To ensure proper frequency coordination, the ordering office must include the latitude and longitude of the incident on the resource order in ROSS. Radios will be used as received without modification. The incident or unit charged with custody of the radio equipment is responsible for a complete inventory of that equipment upon return from the incident.

All radio kits must be ordered as supply requests through normal dispatch channels to the EACC for processing.

The EACC will preposition four Starter System Command/Logistics Radio Kits (NFES 4390) across the Eastern Area.

4390 System Hosts

# of Kits	Host	Dispatch Center
1	Shawnee National Forest	Illinois Interagency Dispatch Center (IL-ILC)
1	Huron-Manistee National Forest	Michigan Interagency Dispatch Center (MI-MIDC)
2	Northeast Interagency Cache	Minnesota Interagency Fire Center (MN-MFC)

Prepositioned radio kits will be stored in a secure location (i.e. storage building or garage). The location does not have to be environmentally controlled. When there is a need to request one of the 4390 prepositioned systems for a local incident, the requesting unit must submit a Supply request through appropriate dispatch channels via ROSS to EACC. EACC will contact NIRSC to coordinate system assignments. At this time, NIRSC will assign frequencies to the system. EACC will work closely with host dispatch centers to expedite mobilization of the starter system. EACC will notify NICC of the radio kit commitment to an incident within the Eastern Area.

All radio systems, in their entirety, will be returned to NIRSC for refurbishment after kits are no longer needed by an incident.

EACC will be responsible for backfill of committed systems. During high levels of national activity, NICC will direct EACC to ship system(s) to out-of-area incident(s) and backfill will not be available.

Radios are intended for incident support and are not to be used for initial attack or installed in private vendor aircraft for long term usage.

RADIO DEMOBILIZATION (NMG, Ch. 40)

INCIDENT REMOTE AUTOMATIC WEATHER STATIONS, (IRAWS) NFES 5869 (NMG, Ch. 40)

NATIONAL CONTRACT MOBILE FOOD SERVICES AND NATIONAL MOBILE SHOWER CONTRACT FACILITIES (NMG, Ch. 40)

For additional contract information, refer to the following website:

<http://www.fs.fed.us/fire/contracting>. To request contract information email the Albuquerque Service Center at: fsaqmisb@fs.fed.us.

NATIONAL CONTRACT MOBILE FOOD SERVICE UNITS (NMG, Ch. 40)

For additional information refer to the National Mobile Food Services Contract Publication or on the web at <http://www.fs.fed.us/fire/contracting/food/food.htm>.

NATIONAL CONTRACT MOBILE SHOWER FACILITIES UNITS (NMG, Ch. 40)

For additional contract information, refer to the National Mobile Shower Facilities Contract publication or on the web at: <http://www.fs.fed.us/fire/contracting/shower/shower.htm>.

NATIONAL CONTRACT MOBILE FOOD SERVICES AND SHOWER FACILITIES MOBILIZATION (NMG, Ch. 40)**NATIONAL CONTRACT MOBILE FOOD SERVICES AND SHOWER FACILITIES REASSIGNMENTS** (NMG, Ch. 40)**NATIONAL CONTRACT MOBILE FOOD SERVICES AND SHOWER FACILITIES DEMOBILIZATION** (NMG, Ch. 40)**ENGINES AND WATER TENDERS** (NMG, Ch. 40)

The table below lists the NWCG type minimum requirements for engines and water tenders. Please use these types when requesting engines and water tenders.

Engine ICS Typing	Engine Type						
	Structure		Wildland				
Requirements	1	2	3	4	5	6	7
Tank minimum capacity (gal)	300	300	500	750	400	150	50
Pump minimum flow (gpm)	1000	500	150	50	50	50	10
At rated pressure (psi)	150	150	250	100	100	100	100
Hose 2 ½"	1200	1000	-	-	-	-	-
1 ½"	500	500	1000	300	300	300	-
1"	-	-	500	300	300	300	200
Ladders 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

- = Not applicable NFPA = National Fire Protection Association GVWR = gross vehicle weight rating

Engine personnel (engine boss, engine operators and firefighters) should be mobilized as part of the equipment configuration and roster, not as separate Overhead requests. Engine crew replacement and swaps should be ordered by the receiving unit as a ROSS subordinate request under the original Equipment request.

Water Tender ICS Typing	Water Tender Type				
	Support			Tactical	
	S1	S2	S3	T1	T2
Requirements					
Tank capacity (gal/min)	4000	2500	1000	2000	1000
Pump minimum flow (gal/min)	300	200	200	250	250
At rated pressure (psi)	50	50	50	150	150
Maximum refill time (minutes)	30	20	15	-	-
Pump and roll	-	-	-	Yes	Yes
Personnel (minimum)	1	1	1	2	2

- = Not applicable

NOTE:

- All types shall meet Federal, state and agency requirements for motor vehicle safety standards, including all gross vehicle weight ratings (GVWR) when fully loaded.
- Type 3 engines and tactical water tenders shall be equipped with a foam proportioner system.
- All water tenders and engine Types 3 through 6 shall be able to prime and pump water from a 10-foot lift.
- Personnel shall meet the qualification requirements of NWCG National Incident Management System Wildland Fire Qualification System Guide (PMS 310-1, June 2012)

Common additional needs for Engine and Tenders (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) (40 cfm minimum)
- Additional Personnel

DOZERS AND TRACTOR PLOWS

The table below lists the NWCG type standards for dozers and tractor plows. Please use this typing when requesting dozers and tractor plows. Operators and transport are mobilized as part of the equipment order. Use a Support request tied to the original Equipment request.

Dozer ICS Typing

	1	2	3
	HEAVY	MEDIUM	LIGHT
Horsepower	200 min hp	100 min hp	50 min hp
	D-8H	D-5H	D-46
	D-7H	JD-650	JD-550
	JD-850		D-3

Tractor Plow ICS Typing

	1	2	3	4	5	6
Horsepower	165 hp	140 hp	120 hp	90 hp	70-80 hp	42-60 hp
	D-7	D-6	D5H	D-4	JD-450	JD-350
	JD-850	JD-750	D4H	JD-650	D4C	D3
	TD-20	TD-15	TD-12	TD-9	TD-8	JD-400
	& larger	Case 1450	Case 1150	D5C		TD7