



D-310 Unit 2: Equipment



Summary: This unit focuses on the Equipment function as it relates to the EDSD.

Unit 2: Equipment

Objectives

Students will be able to:

- Mobilize, reassign, and demobilize equipment in a safe and cost-effective manner.
- Determine the information needed to utilize supplemental forms to mobilize national contract caterer and shower units.
- Identify equipment types and sources and unique ordering procedures.
- Describe the equipment demobilization process.
- Describe the interaction the equipment dispatcher must have with other functional areas within the incident support organization.

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Unit 2: Equipment

Incident Position Standards Alignment

Expanded Dispatch Support Dispatcher



This unit aligns with the following Expanded Dispatch Support Dispatcher (EDSD) Incident Position Standards located at <https://www.nwcg.gov/positions/expanded-dispatch-support-dispatcher/standards-and-references>.

EDSD responsibility alignment

- Obtain situational awareness.
- Review and manage existing requests.
- Receive and manage new requests.
- Communicate and manage resources in preparation for reassignment or demobilization.
- Perform effectively in each of the four functional areas.
- Establish and maintain communication with frequent contacts.
- Complete all administrative tasks and documentation in an accurate and timely manner.
- Prepare for and implement demobilization.

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Responsibilities Addressed in Unit

- Obtain situational awareness.
- Review and manage existing requests.
- Receive and manage new requests.
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Unit 2: Equipment

Equipment Resources



- National mobile caterers and mobile shower facilities
- Engines
- Rolling stock
- Specialized equipment

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Equipment Resources

- National mobile caterers and mobile shower facilities
- Engines
- Rolling stock
 - Water tenders (potable and non-potable)
 - Dozers and lowboys
 - Buses and pickups
 - Refrigerated storage units
- Specialized equipment
 - Helitorch, aerial sphere dispenser, Terra Torch
 - Handheld infrared (IR)
 - Portable retardant plants

Unit 2: Equipment

National Resources: Equipment

National Resources are those which have national utilization, high demand, limited availability, and unique status reporting requirements identified by NICC.

- National Contract Mobile Food Services Units
- National Contract Mobile Shower Facilities.

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National Resources: Equipment

- Shared national resources, limited number available
- Activation of resources
 - Order through established dispatch channels. The National Interagency Coordination Center (NICC) will determine and hire the closest resource and provide travel information in the Interagency Resource Ordering Capability (IROC) system.
 - Refer to the *National Interagency Standards for Resource Mobilization*.
 - Refer to the Mobile Food & Shower Service Request Form:
https://gacc.nifc.gov/nrcc/dispatch/Food_Shower_Request_Form.pdf

Unit 2: Equipment

Mobile Food Services (1 of 3)

- Required Federal use when the number of people to be fed is at or above 200 persons per meal and the headcount is estimated to remain at those numbers, or greater, for at least 72 hours from when the headcount first reaches 200 per meal



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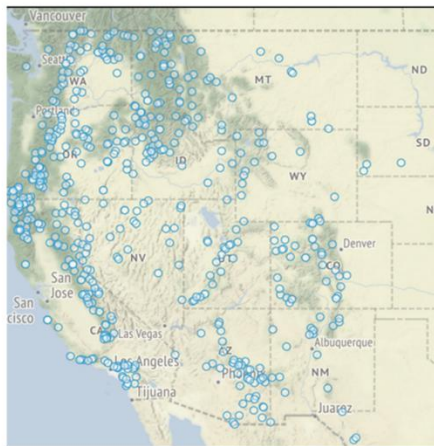
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Mobile Food Services (1 of 3)

- Caterers
 - Required Federal use when the number of people to be fed is at or above 200 persons per meal and the headcount is estimated to remain at those numbers, or greater, for at least 72 hours from when the headcount first reaches 200 per meal.
 - Refer to the *National Interagency Standards for Resource Mobilization, Equipment and Supplies*, for ordering requirements.

Unit 2: Equipment

Mobile Food Services (2 of 3)



- Number of units, locations, and mandatory availability period

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Mobile Food Services (2 of 3)

- Review the number of food service units, locations, and mandatory availability period.
- Be aware of mobilization timeframes.

A reasonable date and time should be provided to accommodate mobilization, drive time, and setup.

Unit 2: Equipment

Mobile Food Services (3 of 3)

Information required when ordering:

- Name of incident, resource order number, financial code, and request number
- Exact reporting location- must match resource order
- Estimated time needed- must match resource order
- Estimated number of meals for dinner, breakfast and lunch.
- Dispatch contact information
- Contact information for incident (typically Food Unit Leader [FDUL])

Mobile Food Services (3 of 3)

- Information required by NICC on the Mobile Food & Shower Service Request Form when placing an order for mobile food services includes:
 - Name of incident, resource order number, financial code, and request number.
 - Exact location of designated site where the contractor can meet a government representative for escort or further instructions to the incident.
 - Estimated time needed by the incident to provide dinner food service.
 - Estimated number of meals for dinner, breakfast and lunch. This guarantees payment, based on these numbers.
 - Name and phone number of dispatch to contact for further information.
 - Name of Government representative to contact at the incident

Mobile Shower Facilities (1 of 2)

Information required when ordering

- Name of incident, resource order number, financial code, and request number
- Exact reporting location
- Estimated time needed
- Size of shower unit: large (12+ stalls) or small (4-11 stalls)
- Contact information for additional ordering information
- Contact information for incident (typically Facilities Unit Leader [FACL])

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Mobile Shower Facilities (1 of 2)

- Information required by NICC on the Mobile Food & Shower Service Request Form when placing orders includes:
 - Name of incident, resource order number, financial code, and request number.
 - Exact location of designated site where the contractor can meet a government representative for escort or further instructions to the incident.
 - Estimated time needed by the incident to provide shower services.
 - Type of mobile shower unit required. Large capacity shower units have a minimum of 12 shower stalls, and small capacity shower units have 4–11 shower stalls.
 - Name and phone number of a person to contact for further information.
 - Name of Government representative to contact at the incident.

Unit 2: Equipment

Mobile Shower Facilities (2 of 2)

- Mobile shower facilities arrive on scene with potable water and water tender for continuous support.
- Contractor may arrive with additional/optional equipment (e.g., hand washing units, Americans with Disabilities Act [ADA] shower stalls).
- Incident is responsible for removal of waste (grey) water.



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Mobile Shower Facilities (2 of 2)

- Mobile shower facilities arrive on scene with potable water and water tender for continuous support.
- The contractor may arrive with additional equipment (e.g., hand washing units, Americans with Disabilities Act [ADA] shower stalls).
- Government must agree to the usage and rates of the optional equipment prior to use.
- The incident will arrange for removal of waste (grey) water.

Unit 2: Equipment

Activity: Mobile Food & Shower Service Request Form (1 of 2)

MOBILE FOOD SERVICE/SHOWER FACILITIES REQUEST FORM

Incident Number: _____ Financial Code: _____
Incident/Project #: _____ Food Service Request #: _____
Shower Unit Request #: _____

I. FOOD SERVICE: Requested Date, Time, What Types, and Number of Meals/Dinner will be in the first meal served

Date of first meal: _____ Time of first meal: _____
1st meal: _____ Dinner _____
2nd meal: _____ Hot Breakfast _____
3rd meal: _____ Hot Breakfast/Hot Lunches _____

This Block For National Interagency Coordination Center Use Only

Actual agreed upon Date/Time first meals are to be served: Date: _____ Time: _____
1st meal: _____ Dinner _____
2nd meal: _____ Hot Breakfast _____
3rd meal: _____ Hot Breakfast/Hot Lunches _____

II. SHOWER SERVICE: Requested Date and Time, Mobile Shower Unit Is Needed

Date Needed: _____ Time Needed: _____
Mobile Shower Unit Type Desired: ☐ Large (12' x 6') ☐ Small (11' x 11')

This Block For National Interagency Coordination Center Use Only

Actual Agreed Upon Date/Time Mobile Shower Unit to be Operational: Date: _____ Time: _____

III. Additional Information

Spill Category: ☐ No ☐ Yes ☐ Unknown ☐
Estimated Duration of Incident: _____ Estimated Personnel at Peak: _____

IV. Location

Requester's Contact: _____ Telephone Number: _____
Reporting Location (What MMSB #)? _____
Contact Person at the Incident (What MMSB #)? _____

National Interagency Coordination Center - (202) 387-5888

Activity: Mobile Food & Shower Service Request Form (1 of 2)

Purpose: Familiarize yourself with the Mobile Food & Shower Service Request Form.

Materials:

- *National Interagency Standards for Resource Mobilization*
- Copy of Mobile Food & Shower Service Request Form (optional)

Instructions:

- Refer to the Mobile Food & Shower Service Request Form in the Unit Resources section.
- Fill out the form with the incident information listed on the next page.

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Activity: Mobile Food & Shower Service Request Form (2 of 2)

Incident Name: Round Up
Resource Order #: ID-BOF-004079
Financial Code: P4ABC2
Food Service Request E#: E-28
Date of first meal: Today's date
First meal: Dinner tomorrow
Persons Assigned: 15 crews, 2 camp crews, 20 engines, 45 overhead, and 8 helicopters
Reporting location: ICP-3830 ID-21, Idaho City, ID 83631
Contact person at the Incident: FDUL - Jene Jones
Spike Camps: No
Potable Water: In Idaho City, one mile away
Estimated Duration of Incident: 7 days
Estimated Personnel at Peak: 760
Dispatch Contact: EQ Desk
Telephone Number: 208-333-5555

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Activity: Mobile Food & Shower Service Request Form (2 of 2)

- **Incident Name:** Round-Up
- **Resource Order #** ID-BOF-004079
- **Financial Code:** P4ABC2
- **Food Service Request E#** E-28
- **Date of first meal:** Today's date
- **First meal:** Dinner tomorrow
- **Persons Assigned:** 15 crews, 2 camp crews, 20 engines, 45 overhead, and 8 helicopters
- **Reporting location:** ICP-3830 ID-21, Idaho City, ID 83631
- **Contact person at the Incident:** FDUL – Jene Jones
- **Spike Camps:** No
- **Potable Water:** In Idaho City, one mile away
- **Estimated Duration of Incident:** 7 days
- **Estimated Personnel at Peak:** 760
- **Dispatch Contact:** EQ Desk
- **Telephone Number:** 208-333-5555

Unit 2: Equipment

Demobilization

- Local units will notify their GACC twenty-four (24) hours in advance of demobilization.
- All release information will be entered into IROC within fifteen (15) minutes of demobilization.
- Requests to reassign these resources will be placed by the local unit to the Geographic Area Coordination Center (GACC).
 - GACC will forward the request to NICC.
 - All reassignments of national units will be approved by NICC.

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Demobilization

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- Requests to reassign these resources will be placed by the local unit to the Geographic Area Coordination Center (GACC).
 - The GACC will forward the request to NICC.
 - All reassignments of national units must be approved by NICC.

Unit 2: Equipment

Type 1 & 2 Structure Engines

Minimum requirements

- Type 1 – Gallons per minute (GPM) 1,000+, 1,200 ft. hose, 4 personnel
- Type 2 – GPM 500+, 1,000 ft. hose, 3 personnel



Type 1 & 2 Structure Engines

- The minimum requirements are as follows:
 - Type 1 – Gallons per minute (GPM) 1,000+, 1,200 ft. hose, 4 personnel
 - Type 2 – GPM 500+, 1,000 ft. hose, 3 personnel
- Refer to the *Interagency Standards for Fire and Fire Aviation Operations* (Red Book) for these engine types.
- Check with your supervisory dispatcher for local exceptions.

Unit 2: Equipment

Type 3 & 4 Wildland Engines

Minimum requirements

- Type 3 – GPM 150, 1,000 ft. hose, 3 personnel
- Type 4 – GPM 50, 300 ft. hose, 2 personnel



Type 3 & 4 Wildland Engines

- The minimum requirements are as follows:
 - Type 3 – GPM 150, 1,000 ft. hose, 3 personnel
 - Type 4 – GPM 50, 300 ft. hose, 2 personnel
- Refer to the *Interagency Standards for Fire and Fire Aviation Operations* (Red Book) for these engine types.
- Check with your supervisory dispatcher for local exceptions.

Unit 2: Equipment

Type 5 & 6 Wildland Engines

Minimum requirements

- Type 5 – GPM 50, 300 ft. hose, 2 personnel
- Type 6 – GPM 50, 300 ft. hose, 2 personnel



Type 5 & 6 Wildland Engines

- The minimum requirements are as follows:
 - Type 5 – GPM 50, 300 ft. hose, 2 personnel
 - Type 6 – GPM 50, 300 ft. hose, 2 personnel
- Refer to the *Interagency Standards for Fire and Fire Aviation Operations* (Red Book) for these engine types.
- Check with your supervisory dispatcher for local exceptions.

Unit 2: Equipment

Type 7 Wildland Engine

Minimum requirements

- Type 7 – GPM 10, 200 ft. hose, 2 personnel



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Type 7 Wildland Engine

- The minimum requirements are as follows:
 - Type 7 – GPM 10, 200 ft. hose, 2 personnel
- Refer to the *Interagency Standards for Fire and Fire Aviation Operations* (Red Book) for this engine type.
- Check with your supervisory dispatcher for local exceptions.

Unit 2: Equipment

Engine Sources

- Federal/Cooperators
 - Engines may be federal, state, and/or local government resources.
- Contract/Virtual Incident Procurement (VIPR) Dispatch Priority Lists (DPLs)
- Incident Only Agreements
 - Not available for reassignment

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Engine Sources

- Federal/Cooperators
 - Engines may be federal, state, and/or local government resources.
- Contract/Virtual Incident Procurement (VIPR) Dispatch Priority Lists (DPLs)
 - Non-agency engines could be acquired this way.
- Incident Only Agreements
 - Not available for reassignment.
 - Incident Only Agreements are rare.

Unit 2: Equipment

Engine Configuration

- Without configuration
 - Single resource: Each engine is assigned an individual equipment request.
- With configuration
 - Each engine is assigned an individual equipment request.
 - The roster is in Interagency Resource Ordering Capability (IROC).
 - Each engine crew member is assigned a request number, which is a sequential subset of an equipment number.

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Engine Configuration

- Without configuration
 - Single resource: Each engine is assigned an individual equipment request.
- With configuration
 - Each engine is assigned an individual equipment request.
 - The roster is in the IROC system. Each engine is assigned a request number, which is a sequential subset of an equipment number (e.g., E-10 is the engine request number; E-10.1, 10.2, 10.3, etc., are the subordinate request numbers).

Unit 2: Equipment

Strike Teams

- Generally, not ordered nationally.
- Consist of five or more like engines and a Strike Team Leader Engine (STEN).
- Follow local procedures when ordering.



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Engine Strike Teams

- Generally, not ordered nationally.
- Strike teams consist of five or more like engines and a Strike Team Leader Engine (STEN). Follow local procedures when ordering strike teams.
- Order five like engines with five E numbers. Ask if a STEN is required.

Relief Personnel

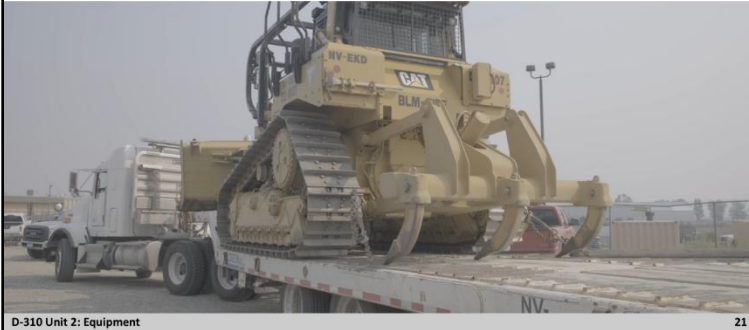
- Sometimes engine personnel are rotated or swapped out between the incident and home unit.
 - If the roster is used, the relief personnel become a subordinate request to the original E number. Document any change of personnel.
 - If the roster is not used, you may or may not be involved in this process.

Unit 2: Equipment

Rolling Stock (1 of 2)

Equipment with wheels or tracks

- Tractor with lowboy and dozer



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Rolling Stock (1 of 2)

- Equipment with wheels or tracks
- Lowboys, dozers

Unit 2: Equipment

Rolling Stock (2 of 2)

- Water tender
- Tractor/plow



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Rolling Stock (2 of 2)

- Water tenders
- Tractors/plows

Specialized Equipment

- Palm IR
- Helitorch
- Aerial ignition
- Terra Torch



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Specialized Equipment

- Heat seeking devices – Palm IR.
- Fuel ignition devices:
 - Helitorch
 - Aerial ignition dispenser
 - Terra Torch

Some components in these kits are hazardous and cannot be shipped by commercial air freight.

Additional Equipment



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Additional Equipment

- Fuel tenders
- Skidgines
- Pickups, stakebeds, box vans, and buses

Acquisition Sources

- Federal
- Cooperators
- VIPR DPLs
- Service and Supply Plan
 - Admin unit/local agency
 - Contracts
 - Contracting or Buying Team (BUYT) can assist
 - Inspection and inventory
- National Guard (area, state specific)

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Acquisition Sources

- Federal
- Cooperators
- VIPR DPLs
- Service and Supply Plan (*NWCG Standards for Interagency Incident Business Management*, PMS 902, Chapter 20)
 - Admin unit/local agency can assist with purchasing/acquiring in lieu of a Buying Team (BUYT).
 - Incident Blanket Purchase Agreement (IBPA).
 - Contracting or BUYT can sign up resources.
 - Make sure resources get inspected and inventoried before and after use.
- National Guard (area, state specific)

Unit 2: Equipment

Driving Duty Limitations

Federal Motor Carriers**Safety Regulations:****Commercial Driver's License (CDL)**

- 10 hours driving time in a 15-hour duty day
- 8 hours off between shifts

References:

- *NWCG Standards for Interagency Incident Business Management*, PMS 902, Chapter 10
- *National Interagency Standards for Resource Mobilization*, Objectives, Policy, and Scope of Operation

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Driving Duty Limitations

- Refer to the *NWCG Standards for Interagency Incident Business Management*, PMS 902, Chapter 10, and *National Interagency Standards for Resource Mobilization*, Objectives, Policy, and Scope of Operation.
- Commercial Driver's License (CDL) drivers:
 - The Federal Motor Carrier Safety Administration Regulations, Part 395.3 and state laws restrict those drivers whose assignment requires a CDL.
 - 10 hours driving time in a 15-hour duty day
 - 8 hours off between shifts
- Non-CDL drivers:
 - May not exceed 10 hours driving time in a 16-hour duty day.
 - Must have 8 hours off between shifts.
- Check with the supervisory dispatcher on additional policies.

Unit 2: Equipment

Equipment Operators

- Might be ordered at the same time
- May come with specialized equipment (no separate O number)
- May be on a support order with an O number (work with the Overhead function)

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Equipment Operators

- Specialized equipment may need to have operators ordered at the same time.
- These may be requested with operator (e.g., Palm IR with operator).
- Operators may be ordered on a support order and will have a designated O number.
- Communicate with the Overhead function.

Unit 2: Equipment

Summary

- Equipment resources include national mobile caterers/mobile shower facilities, engines, rolling stock, and specialized equipment.
- Be sure to complete required forms in order to mobilize national equipment resources.
- Engines can be sourced via agency/cooperators, contract/VIPR DPLs, and Incident Only Agreements.
- Follow local procedures when ordering strike teams.
- Equipment acquisition sources include agency, cooperators, Service and Supply Plan, and the National Guard.
- Follow driving duty limitations guidance.
- Equipment operators might be ordered at the same time, may come with specialized equipment (no separate O number), or may be on a support order with an O number.

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Summary

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Unit 2: Equipment

Unit Resources:

- Mobile Food & Shower Service Request Form
- Example Equipment Agreement