



## D-310 Unit 2: Equipment

### Summary:

This unit focuses on the Equipment function as it relates to the Expanded Dispatch Support Dispatcher (EDSD) position. The different types of equipment resources are reviewed. Students will have opportunities to practice utilizing forms unique to mobilizing mobile shower and caterer units.

### Objectives:

- 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 demobilization process of equipment.
- Describe the interaction the equipment dispatcher must have with other functional areas within the incident support organization.

### Unit at a Glance:

Topics	Method	Duration
Equipment Examples	Review and Discussion	30 Minutes
Shower and Caterer Units	Review and Activity	10 Minutes
Engines	Review and Discussion	30 Minutes
Rolling Stock	Review and Discussion	15 Minutes
Specialized Equipment	Review and Discussion	25 Minutes
<b>Total Unit Duration</b>		<b>110 Minutes</b>

### Preparation:

This course requires advance preparation. The course coordinator and instructor cadre must thoroughly review the following information and prepare all materials prior to presenting the course.

### Course Materials:

- Personal computer with projector and presentation software
- *Interagency Standards for Fire and Fire Aviation Operations* (Red Book)
- *National Interagency Standards for Resource Mobilization*

## Unit 2: Equipment

- *NWCG Standards for Interagency Incident Business Management*, PMS 902
- Mobile Food & Shower Service Request Form

### **Classroom:**

- The classroom should be free from outside interruptions and interferences.
- Provide adequate room and flexibility for student work groups and equipment, including supportive facilities such as break areas, restrooms, etc.
- The classroom should have controlled lighting, good acoustics, and good ventilation.
- Provide adequate access to copy and printing services.
- Provide adequate desk space and power outlets for laptop computers (one power strip for each table).
- Be sure a computer with projector and screen is available to show electronic presentations.
- If you will be printing in the classroom, a laptop and driver for the printer will be needed.

## Unit 2: Equipment



### Unit Overview

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

**Methodology:** The unit begins with a review of equipment examples and national contract resources. Students then participate in an activity on mobile food service requests. The unit reviews engines, rolling stock, and specialized equipment. It ends with a summary of the unit's main points and the instructor answering any student questions.

## 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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### Review Unit Objectives

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**DO:** Review the unit objectives.

**By the end of this unit, 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.

## 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.nwcc.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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### Review Incident Position Standards Alignment

**DO:** Review the responsibilities addressed in this unit.

#### Responsibilities Addressed in Unit

- 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.

## Unit 2: Equipment

### Equipment Resources



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

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### Group Discussion

**DO:** Ask students for equipment examples.

- 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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[https://www.nifc.gov/sites/default/files/NICC/3-Logistics/Equipment-Supplies/Food\\_Shower\\_Request\\_Form%20508.pdf](https://www.nifc.gov/sites/default/files/NICC/3-Logistics/Equipment-Supplies/Food_Shower_Request_Form%20508.pdf)

### Review

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**DO:** Review the following information.

- National resources: Equipment
  - Shared national resources, limited number available

**DO:** Refer students to the *National Interagency Standards for Resource Mobilization*.

- 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.

**DO:** Refer students to the Mobile Food & Shower Service Request Form:

[https://gacc.nifc.gov/nrcc/dispatch/Food\\_Shower\\_Request\\_Form.pdf](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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### Review

**DO:** Refer students to the *National Interagency Standards for Resource Mobilization*, Equipment and Supplies, for ordering requirements.

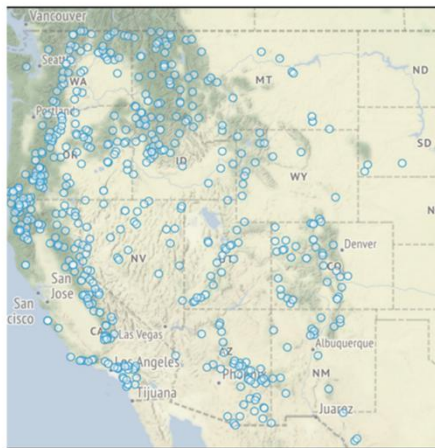
**DO:** Review the following information.

- 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



## Unit 2: Equipment

### Mobile Food Services (2 of 3)



- Number of units, locations, and mandatory availability period

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### Review

**DO:** Review the following information.

- 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.

### 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])

### Review

**DO:** Review the following information.

- 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

## Unit 2: Equipment

### 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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### Review

**DO:** Review the following information.

- 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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### Review

**DO:** Review the following information.

- 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.

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

MOBILE FOOD SERVICE/SHOWER FACILITIES REQUEST FORM

Incident Name: \_\_\_\_\_ Financial Code: \_\_\_\_\_  
Incident/Project #: \_\_\_\_\_ Food Service Request I #: \_\_\_\_\_  
Shower Unit Request #: \_\_\_\_\_

I. **FOOD SERVICE:** Requested Date, Time, Meal Types, and Number of Meals (Shower will always be the first meal served)

Date of first meal: \_\_\_\_\_ Time of first meal: \_\_\_\_\_  
1<sup>st</sup> meal: \_\_\_\_\_ Dinner  
2<sup>nd</sup> meal: \_\_\_\_\_ Hot Breakfast  
3<sup>rd</sup> meal: \_\_\_\_\_ Hot Provisions/Back Lunches

*This Block For National Interagency Coordination Center Use Only*  
Actual agreed upon Date/Time first meal is to be served: Date: \_\_\_\_\_ Time: \_\_\_\_\_  
1<sup>st</sup> meal: \_\_\_\_\_ Dinner  
2<sup>nd</sup> meal: \_\_\_\_\_ Hot Breakfast  
3<sup>rd</sup> meal: \_\_\_\_\_ Hot Provisions/Back Lunches

II. **SHOWER SERVICE:** Requested Date and Time Mobile Shower Unit is Needed

Date Needed: \_\_\_\_\_ Time Needed: \_\_\_\_\_  
Mobile Shower Unit Type Ordered: ☐ Large (12' x 6') ☐ Small (8-11' x 6')

*This Block For National Interagency Coordination Center Use Only*  
Actual agreed upon Date/Time Mobile Shower Unit is to be operational: Date: \_\_\_\_\_ Time: \_\_\_\_\_

III. **Additional Information**

Spill Camp? Yes \_\_\_\_\_ No \_\_\_\_\_ Unknown \_\_\_\_\_  
Estimated Duration of Incident: \_\_\_\_\_ Estimated Personnel at Peak: \_\_\_\_\_

IV. **Location**

Dispatch Contact: \_\_\_\_\_ Telephone Number: \_\_\_\_\_  
Reporting Location (Must Match RC): \_\_\_\_\_  
Contact Person at the Incident (Must Match RC): \_\_\_\_\_

National Interagency Coordination Center - (202) 587-5400

### Activity

#### Activity: Mobile Food & Shower Service Request Form

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

**Time:** 20 minutes.

**Format:** Small group followed by class discussion.

#### Materials:

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

**Preparation:** Review the *National Interagency Standards for Resource Mobilization* and Mobile Food & Shower Service Request Form prior to the exercise.

#### Instructions:

- Refer students to the Mobile Food & Shower Service Request Form in the Unit Resources section of their student workbook. Instruct students to fill out the form with the incident information listed on the next slide. Allow 10 minutes for completion, then review answers in class.

## Unit 2: Equipment

### 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

**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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### Review

**DO:** Review the following information.

- 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).
    - 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



### Group Discussion

**DO:** Have students find engine types in the *Interagency Standards for Fire and Fire Aviation Operations* (Red Book).

- There are seven engine types nationally. Check with your supervisory dispatcher for local exceptions.

**DO:** Discuss the engine types on this slide. Be aware of current changes from NWCG regarding engine typing.



## 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



### Group Discussion

**DO:** Discuss the engine types on this slide.

## 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



### Group Discussion

**DO:** Discuss the engine types on this slide.

## Unit 2: Equipment

### Type 7 Wildland Engine

Minimum requirements

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



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### Group Discussion

**DO:** Discuss the engine types on this slide.

## 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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### Review

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**DO:** Review the following information.

- 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

**Instructor Note:** 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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### Review

**DO:** Review the following information.

- 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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### Review

**DO:** Review the following information.

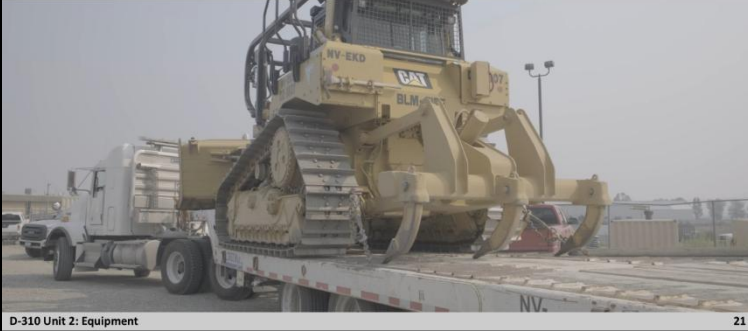
- Engine strike teams
  - Generally, not ordered nationally.
  - Strike teams consist of five or more like engines and a Strike Team Leader Engine (STEN). Follow local procedures when ordering strike teams.
  - Order five like engines with five E numbers. Ask if a STEN is required.
- Relief personnel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



### Review

**DO:** Review the following information.

- Rolling stock definition: Equipment with wheels or tracks

## Unit 2: Equipment

### Rolling Stock (2 of 2)

- Water tender
- Tractor/plow



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### Review

**DO:** Review the information on the slide.



### Specialized Equipment

- Palm IR
- Helitorch
- Aerial ignition
- Terra Torch



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### Review

**DO:** Review the following information.

- 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.

## Unit 2: Equipment

### Additional Equipment



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### Review

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**DO:** Review the following information.

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

## Unit 2: Equipment

### 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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### Review

**DO:** Discuss the closest forces concept. Clarify the difference between best value and closest forces.

- 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)

**DO:** Refer students to example equipment agreements and rate plans. If available, provide a copy of a local Schedule of Items.

## 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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### Review

**DO:** Refer students 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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### Group Discussion

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**DO:** Review the following information.

- 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.

**DO:** Ask students for examples of interactions between the different functional areas.

## 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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**DO:** Review the summary of the unit on the slide.

**DO:** Answer any questions students may have before moving to the next unit.

## Unit 2: Equipment

### **Unit Resources:**

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