



Danny Rhynes Interagency Training Center
602 S. Tippecanoe Ave.
San Bernardino, CA 92408
(909) 382-2984 Fax (909) 382-4192
Email: drtc@fs.fed.us

Memorandum

DATE: December 9, 2013

SUBJECT: S-236 Heavy Equipment Boss

TO: Students

You have been selected to attend the S-236 Heavy Equipment Boss (Formerly S-232 Dozer Boss) course at the Danny Rhynes Interagency Training Center on January 21-24, 2014. The curriculum for S-232 Dozer Boss was revised by NWCG in June of 2013. The new course that replaces S-232 is S-236. **Class will begin at 1000 hours on Tuesday, January 21 and conclude at approximately 1700 hours on Friday, January 24.**

The primary emphasis of this course focuses on duties of the Heavy Equipment Boss (HEQB) position within the Incident Command System.

The pre-course work package developed for Heavy Equipment Boss is designed to help you prepare and successfully complete the course, and to allow us to evaluate your readiness. The pre-course work package for the course (consisting of reading, tutorials, and knowledge checks) is provided at the NWCG Training website at <http://training.nwcg.gov/pre-courses/s236/s236.html> Visit the website to download instructions and materials. Estimated time to complete the pre-work is 2 hours.

Pre-Work & Items to bring to class:

1. Please complete the pre-course work above and attached questions and bring to class with you on the first day
2. There will be a field exercise, date to be determined
3. Please bring the following items:
 - a. Helmet
 - b. Gloves
 - c. Eye Protection
 - d. Nomex – Long Sleeve Shirts
 - e. Boots

Trainee prerequisites are:

1. Qualified as a firefighter type 1 (FFT1)

Please bring the following references to class:

1. Unit Leader Position Task Book (initiated at the home unit), located at

- <http://www.nwcg.gov/pms/taskbook/operations/pms-311-13.pdf>
2. Wildland Fire Incident Management Field Guide located at <http://www.nwcg.gov/pms/pubs/pms210.pdf>
 3. Incident Response Pocket Guide
<http://www.nwcg.gov/pms/pubs/nfes1077/nfes1077.pdf>

****ALL STUDENTS:** Please complete and return the pre-registration form to the training center no later than close of business **Monday, January 7, 2014**. FAX copies are sufficient.

Tuition

Your tuition cost is **\$300.00**

All students must submit a NWCG Nomination Form with proper agency charge codes and signatures for payment. Forms can be attained on-line at: “nationalfiretraining.net.”

Billing Information:

Forest Service (Other Regions): The approved NWCG Nomination Form will be used for payment. This form must include proper agency charge codes and signatures.

Other Federal Agencies: The approved NWCG Nomination Form will be used for payment. This form must include proper agency codes, agreement numbers and signatures.

Other Non Federal Agencies: It is recommended that students pay with check or money order at the facility at the start of class. There is an additional 8% administrative fee added to this tuition charge. If payment is not received, a bill of collection will be issued to your agency.

Cancellations: Cancellations must be made two weeks prior to the course start date. If a cancellation occurs after the two-week cut off and the slot goes unfilled, there will be a charge not to exceed the tuition charge for the course. **The last date to cancel for this course is Monday, January 7, 2014.**

If a student cancels within the two-week period and pre work has already been received, the student needs to return pre work to the training facility.

Dress: Students are to wear casual office attire. This means attire suitable for public contact (no shorts, tank tops, flip flops, etc.) and must have closed toed shoes every day.

Any questions regarding this course may be directed to your unit training coordinator or appropriate training representative. If you are self-sponsored, you may contact the training center directly at drtc@fs.fed.us

Travel: For travel and lodging information navigate on the internet to the DRTC website: <http://www.fs.usda.gov/goto/sanbernardino/travel>

/s/ Kristel Johnson

Kristel Johnson
Forest Training Officer
Enclosures:

Training Center & Lodging Information, Driving Directions
Student Pre-Registration Form

PRE-REGISTRATION FORM
DANNY RHYNES INTERAGENCY TRAINING CENTER

FAX: 909-382-4192

Or email to drtc@fs.fed.us

ALL Blocks MUST be Completed

Course Title: S-236 Heavy Equipment Boss **Date:** January 21-24, 2014

Trainee Name _____ **Email** _____

Agency:
FS: Forest: _____ District: _____
Region _____ Unit: _____
Other Agency: _____ *(Ranger Unit/Station)*

(County – City – OES – CHC Student – NPS – BLM – USCG / Use your three letter designator.)

Work Address: _____
(Mailing Address of your unit headquarters.) *(City – State – Zip Code)*

Phone Number: _____ **Fax Number:** _____

Supervisor Name/Title _____ **Phone:** _____

Training Officer Name: _____ **Phone:** _____

**RETURN THIS FORM TO THE
TRAINING CENTER
BY COB:**

January 7, 2014

Student Name: []

Agency: []

S-232 Dozer Boss Pre-course Work Questions Part 1



Use the **Fireline Handbook, Incident Response Pocket Guide, and pre-course reading materials** to answer the following questions. **Place answers in the brackets provided throughout the document as shown in the first question.**

1. What do dozers require to be effective firefighting tools?

[Answer here]

2. Under what conditions can one expect dozer progress to be drastically slowed?

[]

3. When a dozer clears an area ahead of a crew or a tractor/plow so they can build a line, what is this procedure called?

[]

4. What are the two types of blade control systems used on dozers?

1. []
2. []

5. What are three types of dozer blades used in fire suppression?

1. | |
2. | |
3. | |

6. How are dozers classified?

| |

7. How are light, medium, and heavy dozers typed?

| |

8. List four conditions that limit dozer use.

1. | |
2. | |
3. | |
4. | |

9. What is the maximum percent of ground slope a dozer can be operated across safely?

- Sidehill? | |
- Uphill? | |
- Downhill? | |

10. How should dozer lines be located?

[]

11. If the line is located too far in front of a dozer what may occur?

[]

12. What should be done with undercut dozer lines?

[]

13. As a general rule where should all unburned material cast by a dozer be pushed?

[]

14. Why should dozers be followed by handtools?

[]

15. When should safety zones be constructed by dozers?

[]

16. Why is it important to implement dozer hand signals?

[]

17. What method does the operator have at his or her disposal to communicate with personnel working with the dozer?

[]

18. When using dozers in tandem, which dozer should usually be in front?

| |

19. Why are cleanup crews needed behind dozers?

| |

20. What are the keys to successful operation of equipment?

| |

21. When should provisions for servicing of equipment be made?

| |

22. List three items a dozer should have to be properly equipped

1. | |
2. | |
3. | |

**Dozer Boss,
S-232 Pre-course Work
Part 2**

The following questions refer to tasks in the Single Resource Boss, Dozer taskbook. **Place answers in brackets provided throughout document as shown in first question.**

1. Why is identifying dozer capability important to a dozer boss?

| Answer here |

2. If a dozer boss is not comfortable performing inspections, what can be done to ensure the dozer gets a good inspection?

| |

3. Where can a dozer boss get information about how to flag fireline?

| |

4. What are three sources that a dozer boss can use to get information about identifying hazards?

1. | |

2. | |

3. | |

5. List three environmental concerns dozers may cause and measures a dozer boss could use to reduce them.

1. | |

2. | |

3. | |

Use the **Fireline Handbook** to answer the following questions. **Note:** The Fireline Handbook should contain **Appendix B – Fire Behavior**.

6. List five safety concerns for the dozer boss to consider.

1. | |

2. | |

3. | |

4. | |

5. | |

7. What would the expected flame length be in fire behavior fuel model 2 with a wind speed of five miles per hour, eight percent fuel moisture, and zero percent slope?

| |

8. Given a Type 2 dozer, in fuel model 4, building line up a thirty percent slope, how many chains of line can be expected to be built in one hour?

| |

9. Mixed conifer partial cut slash residue represents what fire behavior fuel model?

| |

10. List five items discussed on the Downhill/Indirect Fireline Construction Guidelines.

1. | |

2. | |

3. | |

4. | |

5. | |

Use the **Dozer Boss Pre-Course Work** to answer the following questions.

11. For each letter of the acronym LCES, list at least three items to consider.

L- | |

C- | |

E- | |

S- | |

12. What is the purpose of a ROPS system?

| |

13. How often and how large should safety zones be placed if fuel types are medium or heavy brush?

| |

14. If a fire is burning on level terrain and burns onto a 30% slope, how much faster will the rate of spread be? | |

15. List three areas where dozer operations may be prohibited.

1. []

2. []

3. []

16. What are four jobs the dozer boss may perform to assist the dozer operator?

1. []

2. []

3. []

4. []

**Dozer Boss,
S-232 Pre-course Work
Part 3**

Read the scenario below and use the Interagency **Incident Business Management Handbook** to answer the following questions. **Place answers in brackets provided throughout document as shown in first question.**

The operator of an agency owned D-6 dozer began work at 0600, took a half hour lunch break at 1200, completed the line construction assignment at 2015, walked back to the incident base and arrived at 2300, shut down for service and went to bed. The mechanic at

base took care of all servicing and the dozer received 30 gallons of diesel fuel from the agency fuel truck.

1. What hours would be recorded on the shift ticket for hours worked?

[Answer here]

2. Where would the dozer boss record the diesel fuel that was dispensed to the dozer? []

3. What form would be used to record the dozer operator's and swamper's time?

[]

4. If the dozer is on contract from a private company instead of agency owned, would the time on the shift ticket change? []

5. If the operator is a private contractor and uses his/her personal pickup while under contract to travel from base to the line each day, who completes the shift ticket for the pickup? []