



# Manipulative Performance Test

Procedures Handbook 4300

MOBILE EQUIPMENT

**TOPIC/EQUIPMENT:** Connecting The Removable Gooseneck To A Drop Frame Trailer

**CATEGORY:** I

**POINTS POSSIBLE:** 100

**TIME ALLOWED:** N/A

**BEHAVIORAL OBJECTIVE:**

*Condition:* A CDF tractor and drop frame trailer with removable gooseneck, heavy equipment (dozer, grader, loader)

*Behavior:* The student will demonstrate the connection and reattachment procedures for the gooseneck of a drop frame trailer with equipment loaded on the trailer bed, while in full wildland fire personal protective equipment.

*Standard:* With a minimum 70% accuracy, according to the score sheet

- MATERIALS NEEDED:**
- One (1) CDF drop frame trailer and tractor
  - One (1) heavy equipment (dozer, grader, loader)
  - One (1) score sheet per student
  - One (1) manipulative performance test cover page
  - One (1) set wildland fire personal protective clothing

**PROCEDURES:** The examination will begin when the student either verbally or by conduct performs any step of the examination. The examination will end when the student either verbally or by conduct indicates the examination has been completed. The student will demonstrate the ability to connect the Gooseneck to a Drop Frame Trailer. A dozer, grader, loader, or other type of heavy equipment will be on the trailer during the testing process.



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## **SCORING:**

Points will be deducted for each step omitted, performed improperly, or performed out of sequence. Lettered procedures may be performed in any sequence within the numbered step without a loss of points. Steps designated by an asterisk (\*) must be performed or the student fails the examination. A score of zero (0) will be given if during the examination the student performs any step or procedure that would jeopardize the safety of personnel or damage the equipment.

## **SPECIAL NOTES:**

Before the examination begins the student will be allowed to ask any clarifying questions and inspect the equipment. Once the examination begins the evaluator shall not answer any questions or intercede in any way, unless safety violations occur that would injure personnel or equipment. The examination will begin when the student, seated in the cab of the tractor in wildland fire shirt and pants, opens the door to exit the cab and walks to the trailer.

# Score Sheet

HOW TO CONNECT THE  
REMOVABLE GOOSENECK  
TO DROP FRAME TRAILER

DATE \_\_\_\_ / \_\_\_\_ / \_\_\_\_ TEST # \_\_\_\_ RETEST # \_\_\_\_ UNIT # \_\_\_\_

STUDENT'S NAME \_\_\_\_\_

EVALUATOR'S NAME \_\_\_\_\_

## STEPS AND PROCEDURES

## POINTS

- |     |                                                              |        |
|-----|--------------------------------------------------------------|--------|
| 1.  | Inspect and clean trailer gooseneck receiving area           | _____* |
| 2.  | Put on gloves and helmet                                     | _____* |
| 3.  | Unlock trailer safety pin latch                              | _____* |
| 4.  | Step into tractor cab                                        |        |
|     | a. Using grab handles                                        | _____5 |
|     | b. Using provided steps                                      | _____5 |
| 5.  | Start engine                                                 | _____* |
| 6.  | Shift transmission into gear                                 | _____* |
| 7.  | Release spring brake while holding foot on tractor brake     | _____* |
| 8.  | Position tractor in front of trailer                         | _____* |
| 9.  | Back tractor toward trailer and connect gooseneck to trailer | _____* |
| 10. | Set spring brake                                             | _____* |
| 11. | Shift transmission into neutral                              | _____* |
| 12. | Step out of tractor cab                                      |        |
|     | a. Using grab handles                                        | _____5 |
|     | b. Using provided steps                                      | _____5 |

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	<b><u>POINTS</u></b>
13. Check trailer safety pin latch to assure it is fully locked	_____*
14. 1Remove wood or metal spacer from between gooseneck and tractor rails	_____*
15. Pull 5th wheel lock handles	_____10
16. Step into tractor cab	
a. Using grab handles	_____5
b. Using provided steps	_____5
17. Shift transmission into forward gear low gear/low range	_____*
18. Release spring brake	_____*
19. Drive tractor forward 12 - 15 feet to disconnect tractor from gooseneck	_____*
20. Set spring brake	_____*
21. Shift transmission into neutral	_____*
22. Step out of tractor cab	
a. Using grab handles	_____5
b. Using provided steps	_____5
23. Remove trailer latch plate gloves	_____*
24. Slide latch plates back over trailer pins on both sides of trailer	_____*
25. Replace trailer latch plate gloves	_____*

	<b><u>POINTS</u></b>
26. Step into tractor cab	
a. Using grab handles	<u>  5</u>
b. Using provided steps	<u>  5</u>
27. Shift transmission into reverse	<u>  *</u>
28. Release spring brake	<u>  *</u>
29. Back tractor toward 5th wheel until 5th wheel locks	<u>  *</u>
30. Check 5th wheel lock by pulling forward slightly	<u>  *</u>
31. Set spring break and transmission shift into neutral	<u>  *</u>
32. Step out of tractor cab	
a. Using grab handles	<u>  5</u>
b. Using provided steps	<u>  5</u>
33. Hook-up tractor service lines to gooseneck "air and electric"	<u> 10</u>
34. Hook-up gooseneck service lines to trailer "air and electric"	<u>  *</u>
35. Check trailer light functions (clearance, stop, turn-signal)	<u>  *</u>
36. Step into tractor cab	
a. Using grab handles	<u>  5</u>
b. Using provided steps	<u>  5</u>
37. Shift transmission into forward gear - low gear/low range	<u>  *</u>
38. Release spring break while holding foot on tractor break	<u>  *</u>
39. Charge trailer brakes	<u> 10</u>

**POINTS**

- 40. Set trailer brakes \_\_\_\_\_\*
- 41. Test trailer brakes by pulling tractor forward slightly \_\_\_\_\_\*

**POINTS POSSIBLE:** 100

**POINTS DEDUCTED:**

**FINAL SCORE:**

**COMMENTS:**

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