



Manipulative Performance Test

Procedures Handbook 4300

PERSONAL PROTECTIVE
EQUIPMENT

TOPIC/EQUIPMENT: Don And Remove The MSA Self Contained Breathing Apparatus Over The Head Method

CATEGORY: Performance Examination

POINTS POSSIBLE: 100

TIME ALLOWED: 1 Minute 15 Seconds

BEHAVIORAL OBJECTIVE:

Condition: An MSA SCBA in a closed carrying case, a face piece, personal alert safety system device, full structural fire personal protective clothing, with fire protective hood pulled down around the neck inside the turn out coat

Behavior: The student will don and remove an MSA Self Contained Breathing Apparatus, using the over the head method, under simulated fire conditions.

Standard: With a minimum 70% accuracy, within one minute and 15 seconds, according to the score sheet

MATERIALS NEEDED:

- One (1) - MSA Self-Contained Breathing Apparatus Per Student
- One (1) - Personal Alert Safety System Device Per Student
- One (1) - Set of Structural Fire Personal Protective Clothing Per Student
- One (1) - Stop Watch
- One (1) - Clip Board
- One (1) - Manipulative Performance Test Cover Page
- One (1) - Score Sheet Per Student
- One (1) - Red Pen

4305.7.1



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PROCEDURES:

The examination and time will start when the student either verbally or by conduct performs any step of the examination. The time will stop when the student either verbally or by raising his/her hands indicates the donning sequence is complete. After the proctor has completed an inspection of the donned SCBA, the student will upon command of the proctor, complete the un-timed removal procedures.

The removal portion of the examination will end when the student either verbally or by conduct indicates that portion of the examination has been completed.

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 with an asterisk (*) must be properly performed or the student fails the entire examination.

A score of "zero" will be given to any student who drops the breathing apparatus or completes the examination in such a manner that it would jeopardize the safety of the wearer in a structural firefighting environment, (i.e., the face to face piece seal is broken, the low pressure audible alarm fails to arm when pressurized, the mainline valve or cylinder valve is not fully opened, critical safety equipment is not donned).

SPECIAL NOTES:

Prior to entering the examination area the student will be wearing turn-out pants, boots, fire resistive hood, and turn-out coat. The student's helmet and gloves may be carried to the examination site. The student will have an MSA SCBA in the carrying case.

Prior to starting the examination the student will be allowed to inspect the breathing apparatus to make sure all valves, switches and straps are in the proper position. The student may also ask questions concerning the examination process.

Once the examination begins the proctor shall not answer any questions or intercede in any way. The instructor may stop an examination if a safety violation occurs which could injure personnel or damage the equipment. In this event a score of "zero" will be given.

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Score Sheet

HOW TO DON AND REMOVE THE MSA SELF CONTAINED BREATHING APPARATUS OVER THE HEAD METHOD

- b. Sequence must be chin, temple and forehead _____ *
10. Test face piece seal _____ *
- a. Place breathing tube coupling against the palm of either hand _____ 5
- b. Inhale to check face piece seal, mask must collapse against face _____ *
- NOTE: If improper seal is detected in steps 9 or 10 repeat steps 9 A and B.**
11. Test operation of exhalation valve
- a. Place breathing tube coupling against the palm of either hand _____ 5
- b. Exhale to check operation of exhalation valve and face piece seal _____ 5
12. Pull fire resistive hood up behind and over the head _____ *
- a. Covering all skin on the face and neck _____ 5
13. Pass the breathing tube through the helmet chin strap _____ *
14. Place the helmet on the head _____ *
- a. Tighten the chin strap under the chin _____ *
15. Raise and fasten the turn-out coat collar _____ 5
16. Connect the breathing tube coupling to the regulator
- a. Coupling must be fully tightened _____ *
- b. Open the mainline valve fully _____ *
- c. There should be no escape of air _____ 5
17. Check and state the pressure indicated on the regulator pressure gauge _____ *

Score Sheet

HOW TO DON AND REMOVE THE MSA
SELF CONTAINED BREATHING
APPARATUS OVER THE HEAD METHOD

- | | | |
|-----|---|---------------|
| 18. | Briefly open and then fully close the by-pass valve | <u> </u> * |
| 19. | "Arm" the personal alert safety system device | <u> </u> * |
| 20. | Put on gloves | <u> </u> * |

END OF TIMED EVOLUTION

REMOVAL SEQUENCE

- | | | |
|-----|---|---------------|
| 21. | Remove gloves | <u> </u> 1 |
| 22. | "Disarm" the personal alert safety system device | <u> </u> 1 |
| 23. | Loosen the breathing tube coupling at the regulator | <u> </u> 3 |
| 24. | Close the air cylinder valve fully | <u> </u> 3 |
| 25. | Breathe remaining air out of the regulator | <u> </u> 3 |
| 26. | Disconnect the breathing tube coupling from the regulator | <u> </u> 3 |
| | a. There should be no escape of air | <u> </u> 3 |
| 27. | Close the mainline valve fully | <u> </u> 5 |
| 28. | Remove the helmet | <u> </u> 1 |
| 29. | Remove the fire resistive hood | <u> </u> 1 |
| 30. | Loosen the face piece harness straps | <u> </u> 3 |
| 31. | Remove the face piece and place it on a clean surface | <u> </u> 4 |
| 32. | Disconnect the waist strap | <u> </u> 3 |
| 33. | Disconnect and/or loosen the remaining straps | |
| | a. Chest strap | <u> </u> 3 |
| | b. Shoulder straps | <u> </u> 3 |

POINTS

4305.7.1

Score Sheet

HOW TO DON AND REMOVE THE MSA
SELF CONTAINED BREATHING
APPARATUS OVER THE HEAD METHOD

- | | | |
|-----|--|------------------|
| 34. | Remove shoulder strap from right arm and grasp the regulator with the right hand | <u> 1 </u> |
| 35. | With left arm, reach around, grasp the cylinder and swing the SCBA off the back | <u> 1 </u> |
| a. | Without dropping or striking the regulator on any object | <u> * </u> |
| 36. | Place SCBA inside the carrying case | <u> 1 </u> |
| a. | Fully extend all harness assembly straps | <u> 1 </u> |
| 37. | Fully extend all face piece straps | <u> 1 </u> |
| 38. | Place face piece inside protective bag | <u> 1 </u> |
| 39. | Place face piece inside carrying case | <u> 1 </u> |
| 40. | Close carrying case | <u> 1 </u> |

TOTAL TIME: :

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

COMMENTS:
