



Fire Protection Training

Procedures Handbook 4300

PERSONAL PROTECTIVE EQUIPMENT

TOPIC/EQUIPMENT: Don And Remove The MSA Mask Mount Regulator (MMR) Self Contained Breathing Apparatus (SCBA) Over The Head Method

CATEGORY: Performance Examination

POINTS POSSIBLE: 100

TIME ALLOWED: 1 Minute 15 Seconds

BEHAVIORAL OBJECTIVE:

Condition: An MSA MMR 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 MMR Self Contained Breathing Apparatus, using the over the head method, under simulated fire conditions.

Standard: With a minimum 70% accuracy, within 1 minute and 15 seconds, according to the score sheet

- MATERIALS NEEDED:**
- One (1) – MSA MMR Self-Contained Breathing Apparatus Per Student
 - One (1) - Personal Alert Safety System Device Per Student (If not equipped with an automatic system)
 - 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

4305.7.3



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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, and chin strap is not secured under chin).

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

Don And Remove The MSA Mask Mount
Regulator (MMR) Self Contained Breathing
Apparatus (SCBA) Over The Head Method

DATE ___ / ___ / ___ TEST # _____ RETEST # _____ UNIT # _____

STUDENT'S NAME _____

EVALUATOR'S NAME _____

STEPS AND PROCEDURES

POINTS

TIME STARTS

- | | | |
|----|--|----------|
| 1. | Open carrying case | |
| 2. | Place face piece on a clean surface | <u>3</u> |
| 3. | Tilt gauge end of air cylinder upward | |
| a. | Check and state the air cylinder pressure indicated on the air cylinder pressure gauge | <u>*</u> |
| b. | Fully open air cylinder valve and ensure audi-alarm arms (bell rings) | <u>*</u> |
| 4. | Grasp sides of air cylinder with both hands | <u>3</u> |
| a. | Lift harness assembly over the head and onto the back | <u>1</u> |
| 5. | Connect and tighten straps | |
| a. | Chest strap (if equipped) | <u>3</u> |
| b. | Shoulder straps | <u>*</u> |
| c. | There should be no twists in straps | <u>3</u> |
| 6. | Connect and tighten waist strap | <u>*</u> |
| a. | There should be no twists in strap | <u>3</u> |

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7.	Place face piece neck strap over and behind the head outside of turn-out coat collar	<u>3</u>
8.	Don face piece	<u>*</u>
a.	Tighten head harness straps	<u>*</u>
b.	Sequence must be chin, temple and forehead (if equipped)	<u>*</u>
9.	Test face piece	
a.	Place palm of either hand against inlet connection on face piece	<u>3</u>
b.	Inhale to check face piece seal, mask must collapse against face	<u>*</u>
NOTE:	If improper seal is detected return to step 9a	
c.	Place palm of either hand against inlet connection on face piece	<u>3</u>
d.	Exhale to check operation of exhalation valve and face piece seal	<u>*</u>
10.	Don fire resistive hood	<u>*</u>
a.	Cover all skin on the face and neck	<u>*</u>
b.	Do not cover exhalation valve	<u>3</u>
11.	Place the helmet on the head	<u>*</u>
a.	Tighten the chin strap under the chin	<u>5</u>
12.	Raise and fasten the turn-out coat collar (if so equipped)	<u>5</u>
13.	Connect regulator to face piece	
a.	Push into face piece (by-pass knob up)	<u>*</u>
b.	Rotate ¼ turn (either direction)	<u>*</u>

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14.	Ensure regulator locks in	
a.	Listen for click	<u> *</u>
b.	Rotate regulator until it contacts release tab	<u> *</u>
c.	Pull regulator	<u> *</u>
15.	Inhale to start air flow	<u> 3</u>
a.	There should be no escape of air	<u> 5</u>
16.	Verbally state the pressure indicated on the regulator pressure gauge	<u> *</u>
a.	Check auxiliary safety devices	
b.	Briefly open and then fully close the by-pass valve	<u> *</u>
c.	"Arm" or ensure activation of the personal alert safety system device	<u> *</u>
17.	Put on gloves	<u> *</u>

END OF TIMED EVOLUTION

REMOVAL SEQUENCE

18.	Remove gloves	<u> 1</u>
19.	"Disarm" the personal alert safety system device (if equipped with a Manual System)	<u> 1</u>
20.	Loosen, but not remove the regulator from the face piece	<u> 1</u>
a.	Pulling the release tab(s)	<u> 1</u>
b.	Rotate regulator until bypass knob points upward	<u> 1</u>
21.	Close the air cylinder valve fully	<u> 3</u>
22.	Breathe the remaining air out of the regulator	<u> 3</u>

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23.	Disconnect and remove regulator from the face piece	<u>3</u>
	a. There should be no escape of air	<u>3</u>
24.	Press the shut-off button in	<u>3</u>
25.	Return the regulator to the belt clip	<u>5</u>
26.	Disarm redundant alarm system (if so equipped)	<u>1</u>
27.	Remove the helmet	<u>1</u>
28.	Remove the fire resistive hood	<u>1</u>
29.	Loosen the face piece harness straps	<u>3</u>
30.	Remove mask and place on clean surface	<u>3</u>
31.	Disconnect the waist strap	<u>3</u>
32.	Disconnect the remaining straps	
	a. Chest strap	<u>3</u>
	b. Shoulder straps	<u>3</u>
33.	Remove shoulder strap from right arm and grasp the regulator with the right hand	<u>1</u>
34.	With left arm, reach around, grasp the air cylinder and swing the SCBA off the back	<u>1</u>
	a. Without dropping or striking the regulator on any object	<u>*</u>
35.	Place SCBA inside the carrying case	<u>1</u>
	a. Fully extend all harness assembly straps	<u>5</u>
36.	Fully extend all face piece straps	<u>5</u>
37.	Place face piece bag inside carrying case	<u>1</u>
38.	Place face piece inside carrying case	<u>1</u>

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TOTAL TIME: _____ :

POINTS POSSIBLE: _____ 100

POINTS DEDUCTED: _____

FINAL SCORE: _____

COMMENTS:
