



# FIRE PROTECTION TRAINING

Procedures Handbook 4300

## PERSONAL PROTECTIVE EQUIPMENT

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**TOPIC/EQUIPMENT:** DONNING AND REMOVING THE MSA FIREHAWK MASK MOUNT REGULATOR (MMR) SELF CONTAINED BREATHING APPARATUS, OVER THE HEAD METHOD

**CATEGORY:** Performance Examination

**POINTS POSSIBLE:** 100

**TIME ALLOWED:** 1 Minute 15 Seconds

**BEHAVIORAL OBJECTIVE:**

*Condition:* Given a MSA Firehawk MMR SCBA with integrated PASS device placed on ground, with the bottle side down, a facepiece, full structural fire personal protective equipment, with fire protective hood pulled down around the neck inside the turn out coat

*Behavior:* The student will don and remove the SCBA, using the over the head method, under simulated fire conditions

*Standard:* With a minimum 80% accuracy, within 1 minute and 15 seconds, according to the score sheet.

- MATERIALS NEEDED:**
- One (1) – MSA Firehawk MMR SCBA per student
  - One (1) - set of structural fire personal protective equipment 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



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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 an IDLH environment, (i.e., the face to face piece seal is broken, the low pressure audible alarm fails to arm when pressurized, the 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 shall be wearing turnout pants, boots, fire resistive hood, and turnout coat. The student's helmet and gloves shall be carried to the examination site.

Prior to starting the examination the student shall be allowed to inspect the breathing apparatus to make sure all valves, switches and straps are in the proper position.

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

# Score Sheet

DONNING AND REMOVING THE MSA FIREHAWK  
MASK MOUNT REGULATOR (MMR) SELF  
CONTAINED BREATHING APPARATUS, OVER THE  
HEAD METHOD

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

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

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

## STEPS AND PROCEDURES

## POINTS

### TIME STARTS

- |     |   |                              |
|-----|---|------------------------------|
| 1.  | Remove facepiece from storage bag and place on a clean surface  | <u>3</u>                     |
| 2.  | Tilt gauge end of air cylinder upward   |                              |
| 3.  | Check and state pressure indicated on cylinder pressure gauge   | <u>                    </u>  |
| 4.  | Fully open air cylinder valve and ensure audi-alarm arms (bell rings)                                 | <u>                    </u>  |
| 5.  | Grasping sides of air cylinder with both hands, lift harness assembly over the head and onto the back | <u>                    *</u> |
|     | a. Insert arms through shoulder straps  | <u>                    *</u> |
| 6.  | Connect chest strap   | <u>3</u>                     |
| 7.  | Connect and tighten waist strap   | <u>                    *</u> |
|     | a. There should be no twists in straps  | <u>3</u>                     |
| 8.  | Tighten shoulder straps   | <u>3</u>                     |
|     | a. There should be no twists in strap   | <u>3</u>                     |
| 9.  | Place facepiece neck strap over and behind head outside of turn-out coat collar                       | <u>3</u>                     |
| 10. | Don head harness/ facepiece assembly  | <u>                    *</u> |
|     | a. Tighten head harness straps  | <u>                    *</u> |
|     | b. Sequence must be chin, then temple   | <u>                    *</u> |

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# Score Sheet

|              |   |          |
|--------------|---|----------|
| 11.          | Test facepiece for proper seal  |          |
| a.           | Place bare palm of either hand against inlet connection on facepiece                    | <u>2</u> |
| b.           | Inhale to check facepiece seal, mask must collapse against face                         | <u>*</u> |
| <b>NOTE:</b> | <b>If improper seal is detected, repeat steps 10 through 11 until seal is detected.</b> |          |
| 12.          | Test exhalation valve   |          |
| a.           | Place bare palm over inlet connection and exhale  | <u>2</u> |
| b.           | Air must exit exhalation valve  | <u>*</u> |
| 13.          | Pull fire resistive hood in place   | <u>*</u> |
| a.           | Cover all skin on face and neck   | <u>*</u> |
| b.           | Do not cover exhalation valve or regulator facepiece connection                         | <u>3</u> |
| 14.          | Place helmet on head  | <u>*</u> |
| a.           | Tighten chin strap under chin   | <u>5</u> |
| 15.          | Raise and fasten turnout coat collar  | <u>5</u> |
| 16.          | Connect regulator to facepiece  |          |
| a.           | Push straight into facepiece  | <u>*</u> |
| 17.          | Ensure regulator locks into facepiece   |          |
| a.           | Listen for click  | <u>*</u> |
| b.           | Gently pull regulator to ensure engagement  | <u>*</u> |
| 18.          | Inhale to start air flow  | <u>3</u> |
| a.           | There should be no escape of air  | <u>5</u> |

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HEAD METHOD

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- |     |  |                    |
|-----|--|--------------------|
| 19. | Verbally state pressure indicated on ICM/PASS unit pressure gauge (should concur with cylinder pressure reading) | <u>          *</u> |
| 20. | Ensure ICM/PASS device activates and green LED light flashes   | <u>          *</u> |
| 21. | Check Head's Up Display (HUD) for activation (green lights)  | <u>          *</u> |
| 22. | Briefly open and then fully close by-pass valve  | <u>          </u>  |
| 23. | Put on gloves  | <u>          *</u> |

## END OF TIMED EVOLUTION

### REMOVAL SEQUENCE

- |     |   |                    |
|-----|---|--------------------|
| 24. | Remove gloves   | <u>          1</u> |
| 25. | Close air cylinder valve fully                                    | <u>          3</u> |
| 26. | Breathe remaining air out of regulator                            | <u>          3</u> |
| 27. | Push release tabs, disconnect and remove regulator from facepiece | <u>          3</u> |
|     | a. There should be no escape of air                               | <u>          3</u> |
| 28. | Turn off ICM/PASS device  | <u>          3</u> |
| 29. | Return regulator to belt clip                                     | <u>          3</u> |
| 30. | Remove helmet   | <u>          1</u> |
| 31. | Remove fire resistive hood  | <u>          1</u> |
| 32. | Loosen head harness/facepiece straps                              | <u>          3</u> |
| 33. | Remove head harness/ facepiece and place on clean surface         | <u>          3</u> |
| 34. | Disconnect waist strap  | <u>          3</u> |
| 35. | Disconnect chest strap  | <u>          3</u> |
| 36. | Loosen shoulder straps  | <u>          3</u> |
| 37. | Remove shoulder strap from either arm                             | <u>          1</u> |

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- |     |  |          |
|-----|--|----------|
| 38. | With other arm, reach around and grasp air cylinder and swing SCBA off of back | <u>1</u> |
| a.  | Without dropping or striking regulator on any object                           | <u>*</u> |
| 39. | Return SCBA to its original location   | <u>1</u> |
| a.  | Fully extend all harness assembly straps                                       | <u>5</u> |
| 40. | Clean facepiece per CAL FIRE policy  | <u>5</u> |
| 41. | Place head harness/ facepiece assembly inside storage bag                      | <u>3</u> |

**TOTAL TIME:**           :

**POINTS POSSIBLE:** 100

**POINTS DEDUCTED:**           

**FINAL SCORE:**           

## COMMENTS:

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