

**MANIPULATIVE PERFORMANCE TEST**

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**SANTA CLARA FIRE DEPARTMENT**

**MPT – 1004**

**TOPIC:**                    **How to Don an MSA Self-Contained Breathing Apparatus From Apparatus Jump Seat**

**TEST PROCESS:**        The objective is to have the student don a SCBA from a vehicle jump seat while wearing protective clothing. The time will begin on the command “GO.” The time will end when the operation is completed.

**EQUIPMENT NEEDED:**    One (1) vehicle (seat) mounted SCBA  
One (1) set of full protective equipment per student  
One (1) clipboard per rater  
One (1) marking pen per rater  
One (1) stopwatch if performance is timed  
One (1) manipulative performance test directions per rater  
One (1) manipulative performance test directions per student  
One (1) test rating worksheet per rater and per student

**BEHAVIORAL OBJECTIVE:**

**Given:**                    A vehicle seat mounted SCBA and protective clothing

**Performance:**        The student will don a SCBA from seat mount while wearing protective clothing.

**Standard:**              Completing all operations within **90 seconds** according to the job breakdown.

## **MANIPULATIVE PERFORMANCE TEST**

### **SCORING CRITERIA FOR EACH OPERATION**

#### **GENERAL:**

**Scoring Criteria:** The scoring system involves three scoring operations:

1. **Basic Operations** is given a point value of 1.
2. **Essential Operations** is given a point value of 2.
3. **Critical Operations** or **Safety Violations** are given a point value of 2, are pass/fail, and are marked with an asterisk (\*).

**Minimum Passing Score** is **80%** on each evolution.

Students will be assigned deficiency points for each error or omission made. The student fails the test when a designated number of deficiency points have been assigned, when a critical operation is omitted, or when a **safety violation** occurs.

#### **Testing Procedure:**

Students will call out items that cannot be observed by the rater(s). Students shall verbally indicate that they are ready to begin the test process. The rater(s) will time the evolution (if applicable) and will score the student.

#### **SPECIFIC:**

**35** Operations will be evaluated

**55** Points are possible

**44** Points within the allotted time are passing. Failure to achieve this score within the allotted time will be cause for rescheduling.

#### **Evaluator's Criteria: (Do not read aloud)**

Student will receive all or none of the points possible for each key operation. When the student misses or improperly performs an operation, circle the point value listed next to the **Operation** in which the student makes the error. The total deficiency points will be subtracted from the total points possible to determine the final score. Automatic failure can result from the student not completing a **Critical Operation**, or by committing a **Safety Violation**; this will cause immediate termination of that particular test evolution. Exceeding an applicable time allotment for any evolution will also result in automatic failure. If there is a **malfunction** in the equipment, evaluator will **verify** malfunction, then allow student to repeat evolution with an in service unit.

# MANIPULATIVE PERFORMANCE TEST

How to Don an **MSA SCBA**  
from Vehicle Jump Seat

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>*2</u>	1. Don Full Personal Protective Equipment	1	<ul style="list-style-type: none"> <li>a. Full turnouts, helmet and hood</li> <li>b. Gloves close at hand</li> </ul>
<b><u>UNTIMED PREPARATION STEPS</u></b>			
<u>1</u>	2. Step up into vehicle	2	<ul style="list-style-type: none"> <li>a. Carefully</li> </ul>
<u>1</u>	3. Check Facepiece	3	<ul style="list-style-type: none"> <li>a. Remove from storage bag</li> <li>b. Loosen all straps on head harness so end tabs are at buckles</li> <li>c. Visually inspect for damage</li> <li>d. Place aside for use in Step 7</li> </ul>
<u>2</u>	4. Remove SCBA for inspection	4	<ul style="list-style-type: none"> <li>a. Pull restraint release cord</li> <li>b. Pull SCBA away from restraint and inspect cylinder coupling nut; ensure it is on hand tight</li> </ul>
<u>2</u>	5. Check Cylinder Gauge	5	<ul style="list-style-type: none"> <li>a. State Gauge Pressure</li> <li>b. Report "FULL"</li> <li>c. <b>If less than 4000 psig replace with full cylinder</b></li> </ul>
<u>1</u>	6. Open cylinder valve	6	<ul style="list-style-type: none"> <li>a. Reach in</li> <li>b. Fully open</li> <li>c. About 7 – one-half turns</li> </ul>

# MANIPULATIVE PERFORMANCE TEST

How to Don an **MSA SCBA**  
from Vehicle Jump Seat

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>*2</u>	7.	Check Facepiece Heads Up Display (HUD)	7	a.	Hold Mask 6 -15" from HUD sending unit
				b.	Ensure HUD - LED lights cycle through all light patterns
				c.	Ensure LED shows 4 greens
				d.	Ensure no "yellow" low battery warning lights are flashing.
				e.	If "yellow" low battery lights continue to flash replace batteries in facepiece, HUD sending unit, or both.
				f.	Replace mask in storage bag
<u>*2</u>	8.	Check the Integrated Computer Module (ICM) Pressure Gauge	8	a.	Visually
				b.	At least 4000 psig
<u>*2</u>	9.	Compare Cylinder Gauge with ICM gauge	9	a.	Gauges should read no more than 225 psig in difference
<u>1</u>	10.	Close cylinder valve	10	a.	Reach in
				b.	Close fully
				c.	About 7 – one-half turns

# MANIPULATIVE PERFORMANCE TEST

How to Don an **MSA SCBA**  
from Vehicle Jump Seat

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>1</u>	11. Bleed system pressure	11	a. Open bypass valve b. Release all pressure c. Close bypass valve d. Ensure 2 <sup>nd</sup> stage regulator is not active (on) by pressing and releasing top and bottom buttons. e. Stow regulator with slide button at bottom in STAND-BY belt mount
<u>1</u>	12. Deactivate ICM low pressure alarm	12	a. Press the reset button 2 times in rapid succession
<u>2</u>	13. Replace SCBA in vehicle mount	13	a. Center cylinder in mount b. Reset restraint release cord c. Reset harness straps to be free from tangles
<u>1</u>	14. Exit vehicle seat area	14	a. Stand outside of apparatus with door open

# MANIPULATIVE PERFORMANCE TEST

How to Don an **MSA SCBA**  
from Vehicle Jump Seat

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>TIMED STEPS</u>			
<u>*2</u>	15. Step up into vehicle and open cylinder valve	15	a. <b>ON COMMAND “GO” PROCTOR STARTS TIME</b> b. F/F faces airpack c. Reach behind with left hand d. Fully open cylinder valve e. About 7 – one half turns
<u>1</u>	16. Don harness	16	a. Turn and take a seat placing back against cylinder backplate
<u>1</u>	17. Place arms through harness straps	17	a. One at a time b. Ensure straps are untangled
<u>2</u>	18. Secure all harness straps to body properly	18	a. Make initial adjustments to shoulder, chest (optional) and waist straps
<u>1</u>	19. Place Facepiece around neck using neck strap	19	a. Facepiece should hang down from neck with lens towards firefighter
<u>2</u>	20. Pull restraint release cord to release cylinder away from support	20	a. Pull restraint release cord b. According to mounting type c. Stand from seat mount and exit apparatus d. Carefully

# MANIPULATIVE PERFORMANCE TEST

How to Don an **MSA SCBA**  
from Vehicle Jump Seat

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>*2</u>	21. Exit Apparatus	21	a. With helmet, mask and protective hood
<u>1</u>	22 Don facepiece	22	a. Grasp bottom straps b. Grasp and spread harness c. Place thumbs through straps from inside
<u>2</u>	23. Position facepiece to face	23	a. Chin in chin cup
<u>2</u>	24. Pull harness back over head downward	24	a. Center harness to rear of head
<u>2</u>	25. Tighten bottom straps	25	a. Evenly towards the rear, not outward b. Simultaneously until snug
<u>2</u>	26. Tighten temple straps	26	a. Evenly towards the rear, not outward b. Simultaneously until snug
<u>2</u>	27. Check tabs	27	a. Ensure 5 facepiece tabs are not tucked under the face seal
<u>*2</u>	28. Check facepiece seal	28	a. Cover and seal the inlet hole with the palm of hand between thumb and index finger b. Breathe in slowly c. Hold for 10 seconds d. Listening for leaks e. Adjust straps if leakage noticed

**MANIPULATIVE PERFORMANCE TEST**

How to Don an **MSA SCBA**  
from Vehicle Jump Seat

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS**

**KEY POINTS**

<u>1</u>	29. Check exhalation valve	29	a. Exhale b. Check for leaks around facepiece
<u>1</u>	30. Don Protective Hood	30	a. From around neck or over mask
<u>*2</u>	31. Connect 2 <sup>nd</sup> stage regulator to the facepiece	31	a. Position the Mask Mounted Regulator (MMR) so that the bypass valve points to your right b. Slide the fork of the valve down the fasttrack c. Take a breath and hold d. Connect the regulator to the facepiece e. Push in until it clicks f. Pull gently to check that it's locked in g. Exhale then inhale sharply to open shut off valve and start air
<u>*2</u>	32. Don helmet	32	a. Placing helmet strap under chin b. Not around facepiece lens, exhalation valve, regulator or another part of facepiece c. Tighten chin strap

**MANIPULATIVE PERFORMANCE TEST**

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS**

**KEY POINTS**

<u>1</u>	33. Adjust harness	33	a.	Make final adjustments to shoulder and waist straps
<u>*2</u>	34. Properly utilize all available safety equipment.	34	a.	Structure protection gloves on. Protective hood on with no skin exposed.
<u>1</u>	35. Clap Hands	35	a.	When completed all operations
			b.	To stop time, ready for inspection

**MANIPULATIVE PERFORMANCE TEST**

DATE: \_\_\_\_\_

OFFICER: \_\_\_\_\_

DRIVER/ENGINEER: \_\_\_\_\_

FIREFIGHTER: \_\_\_\_\_

Comments:

	Officer	Driver/Engineer	Firefighter
TOTAL POSSIBLE POINTS:	_____	_____	<u>55</u>
DEFICIENCY POINTS:	(____)	(____)	(____)
STUDENT'S FINAL SCORE:	_____	_____	_____
PASSING SCORE (80%):	_____	_____	<u>44</u>
PERFORMANCE TIME:	_____		
MAXIMUM ALLOTTED TIME:	_____		
<b>PASS:</b>	_____		
<b>FAIL:</b>	_____		

Reason For Disqualification (if applicable):

EVALUATOR'S SIGNATURE(S):

\_\_\_\_\_ Date

\_\_\_\_\_ Date

**SANTA CLARA FIRE DEPARTMENT**

**MPT – 1001**

**TOPIC:**                   **How to Change a Self-Contained Breathing Apparatus Air  
Cylinder, Two-Person**

**TEST PROCESS:**       The objective is to have the students change a SCBA air cylinder  
using the two-person method while wearing protective clothing.  
The time will begin on the command “GO.” The time will end when  
the operation is completed.

**EQUIPMENT NEEDED:**   One (1) SCBA  
One (1) SCBA air cylinder  
One (1) set of full protective equipment per student  
One (1) clipboard per rater  
One (1) marking pen per rater  
One (1) stopwatch if performance is timed  
One (1) manipulative performance test directions per rater  
One (1) manipulative performance test directions per student  
One (1) test rating worksheet per rater and per student

**BEHAVIORAL OBJECTIVE:**

**Given:**                   One SCBA and one SCBA air cylinder

**Performance:**       The student will change a SCBA air cylinder using the two-person  
method while wearing protective clothing.

**Standard:**           Completing all operations within \_\_\_\_\_ according to the  
job breakdown.

**SCORING CRITERIA FOR EACH OPERATION**

**GENERAL:**

**Scoring Criteria:** The scoring system involves three scoring operations:

1. **Basic Operations** is given a point value of 1.
2. **Essential Operations** is given a point value of 2.
3. **Critical Operations** or **Safety Violations** are given a point value of 2, are pass/fail, and are marked with an asterisk (\*).

**Minimum Passing Score** is **80%** on each evolution.

Students will be assigned deficiency points for each error or omission made. The student fails the test when a designated number of deficiency points have been assigned, when a critical operation is omitted, or when a **safety violation** occurs.

**Testing Procedure:**

Students will call out items that cannot be observed by the rater(s). Students shall verbally indicate that they are ready to begin the test process. The rater(s) will time the evolution (if applicable) and will score the student.

**SPECIFIC:**

**17** Operations will be evaluated.

**21** Points are possible.

**17** Points within the allotted time are passing. Failure to achieve this score within the allotted time will be cause for rescheduling.

**Evaluator's Criteria: (Do not read aloud)**

Student will receive all or none of the points possible for each key operation. When the student misses or improperly performs an operation, circle the point value listed next to the **Operation** in which the student makes the error. The total deficiency points will be subtracted from the total points possible to determine the final score. Automatic failure can result from the student not completing a **Critical Operation**, or by committing a **Safety Violation**; this will cause immediate termination of that particular test evolution. Exceeding an applicable time allotment for any evolution will also result in automatic failure.

# MANIPULATIVE PERFORMANCE TEST

How to Change a  
SCBA Air Cylinder, Two Person

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

OPERATIONS		KEY POINTS	
<u>  1  </u>	1. Second fire fighter obtains and positions fresh cylinder	1.	a. Making sure new cylinder is full b. Behind SCBA wearer
<u>  1  </u>	2. Second fire fighter takes position	2	a. Behind wearer b. Centered
<u>  1  </u>	3. Wearer leans forward	3.	a. Allowing access b. Increasing visibility
<u>  2  </u>	4. Second fire fighter closes cylinder valve	4	a. Completely b. Locking
<u>  1  </u>	5. Bleed system pressure	5	a. Open bypass valve b. Release all pressure c. Close bypass valve d. Ensure 2 <sup>nd</sup> stage regulator is not active (on) by pressing and releasing top and bottom buttons
<u>  1  </u>	6. Wearer removes second stage regulator	6	a. Completely
<u>  1  </u>	7. Second fire fighter disconnects coupling from cylinder and lays coupling to side	7	a. Counter-clockwise b. Slowly

**MANIPULATIVE PERFORMANCE TEST**How to Change a  
SCBA Air Cylinder, Two Person

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

OPERATIONS		KEY POINTS	
<u>1</u>	8. Second fire fighter releases cylinder clamp (latch wing)	8	a. Slowly b. Counter-clockwise
<u>1</u>	9. Second fire fighter supports cylinder	9	a. With both hands
<u>1</u>	10. Second fire fighter removes cylinder	10	a. Setting aside carefully b. Protecting valve
<u>1</u>	11. Second fire fighter installs full cylinder and holds in position	11	a. Resting against backpack
<u>1</u>	12. Second fire fighter checks O-ring	12	a. Check for damage
<u>1</u>	13. Second fire fighter positions cylinder valve outlet	13	a. Toward hookup coupling
<u>1</u>	14. Second fire fighter reconnects high pressure hose	14	a. Hand tight only b. Clockwise
<u>*2</u>	15. Second fire fighter locks cylinder in place	15	a. Working hand b. Fully locked

**MANIPULATIVE PERFORMANCE TEST**

How to Change a  
SCBA Air Cylinder, Two Person

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS**

**KEY POINTS**

  \*2   16. Second fire fighter opens  
cylinder valve

16 a. Fully open

  1   17. Wearer checks gauge and  
heads up display

17 a. Regulator gauge  
b. Equal Readings

**MANIPULATIVE PERFORMANCE TEST**

How to Change a  
SCBA Air Cylinder, Two Person

DATE: \_\_\_\_\_

OFFICER: \_\_\_\_\_

DRIVER/ENGINEER: \_\_\_\_\_

FIREFIGHTER: \_\_\_\_\_

Comments:

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	Officer	Driver/Engineer	Firefighter
TOTAL POSSIBLE POINTS:	_____	_____	<u>21</u>
DEFICIENCY POINTS:	(____)	(____)	(____)
STUDENT'S FINAL SCORE:	_____	_____	_____
PASSING SCORE (80%):	_____	_____	<u>17</u>
PERFORMANCE TIME:	_____		
MAXIMUM ALLOTTED TIME:	_____		
<b>PASS:</b>	_____		
<b>FAIL:</b>	_____		

Reason For Disqualification (if applicable):

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EVALUATOR'S SIGNATURE(S):

\_\_\_\_\_ Date

\_\_\_\_\_ Date

**SANTA CLARA FIRE DEPARTMENT**

**MPT - 1002**

**TOPIC:**                    **How to Don a Self-Contained Breathing Apparatus, Over-The-Head Method, From Compartment**

**TEST PROCESS:**        The objective is to have the student don a SCBA using the over-the-head method while wearing protective clothing. The time will begin on the command "GO." The time will end when the operation is completed.

**EQUIPMENT NEEDED:**    One (1) SCBA  
One (1) set of full protective equipment per student  
One (1) clipboard per rater  
One (1) marking pen per rater  
One (1) stopwatch if performance is timed  
One (1) manipulative performance test directions per rater  
One (1) manipulative performance test directions per student  
One (1) test rating worksheet per rater and per student

**BEHAVIORAL OBJECTIVE:**

**Given:**                    One SCBA and protective clothing

**Performance:**        The student will don a SCBA using the over-the-head method while wearing protective clothing

**Standard:**              Completing all operations within **75 seconds** according to the job breakdown.

## SCORING CRITERIA FOR EACH OPERATION

### GENERAL:

**Scoring Criteria:** The scoring system involves three scoring operations:

1. **Basic Operations** is given a point value of 1.
2. **Essential Operations** is given a point value of 2.
3. **Critical Operations** or **Safety Violations** are given a point value of 2, are pass/fail, and are marked with an asterisk (\*).

**Minimum Passing Score** is **80%** on each evolution.

Students will be assigned deficiency points for each error or omission made. The student fails the test when a designated number of deficiency points have been assigned, when a critical operation is omitted, or when a **safety violation** occurs.

### **Testing Procedure:**

Students will call out items that cannot be observed by the rater(s). Students shall verbally indicate that they are ready to begin the test process. The rater(s) will time the evolution (if applicable) and will score the student.

### SPECIFIC:

**41** Operations will be evaluated.

**56** Points are possible.

**45** Points within the allotted time are passing. Failure to achieve this score within the allotted time will be cause for rescheduling.

### **Evaluator's Criteria: (Do not read aloud)**

Student will receive all or none of the points possible for each key operation. When the student misses or improperly performs an operation, circle the point value listed next to the **Operation** in which the student makes the error. The total deficiency points will be subtracted from the total points possible to determine the final score. Automatic failure can result from the student not completing a **Critical Operation**, or by committing a **Safety Violation**; this will cause immediate termination of that particular test evolution. Exceeding an applicable time allotment for any evolution will also result in automatic failure. If there is a **malfunction** in the equipment, evaluator will **verify** malfunction, then allow student to repeat evolution with an in service unit.

# MANIPULATIVE PERFORMANCE TEST

How to Don a SCBA,  
From Compartment

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

**Begin with helmet on, gloves off.**

  \*2   1. Don Full Personal Protective Equipment

1 a. Full turnouts, helmet and hood  
b. Gloves close at hand

### UNTIMED PREPARATION STEPS

  1   2. Open compartment door

2 a. Carefully

  1   3. Check mounted SCBA

3 a. Ensure coupling nut is secured hand-tight.

  1   4. Check Facepiece

4 a. Remove from storage bag  
b. Loosen all straps on head harness so end tabs are at buckles  
c. Visually inspect for damage  
d. Place aside for use in Step 7

  2   5. Check Cylinder Gauge

5 a. State Gauge Pressure  
b. Report "FULL"  
**c. If less than 4000 psig replace with full cylinder**

  1   6. Open cylinder valve

6 a. Reach in with right hand  
b. Fully open  
c. About 7 – one-half turns

# MANIPULATIVE PERFORMANCE TEST

How to Don a SCBA,  
From Compartment

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>*2</u>	7.	Check Facepiece Heads Up Display (HUD)	7	a.	Hold Mask 6 -15" from HUD sending unit
				b.	Ensure HUD - LED lights cycle through all light patterns
				c.	Ensure LED shows 4 greens
				d.	Ensure no "yellow" low battery warning lights are flashing
				e.	If "yellow" low battery lights continue to flash, replace batteries in facepiece, HUD sending unit, or both.
				f.	Replace mask in storage bag
<u>*2</u>	8.	Check the Integrated Computer Module (ICM) Pressure Gauge	8	a.	Visually
				b.	At least 4000 psig
<u>*2</u>	9.	Compare Cylinder Gauge with ICM gauge	9	a.	Gauges should read no more than 225psig in difference
<u>1</u>	10.	Close cylinder valve	10	a.	Reach in with right hand
				b.	Close fully
				c.	About 7 – one-half turns

# MANIPULATIVE PERFORMANCE TEST

How to Don a SCBA,  
From Compartment

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>  1  </u> 11. Bleed system pressure	11	a. Open bypass valve b. Release all pressure c. Close bypass valve d. Ensure 2 <sup>nd</sup> stage regulator is not active (on) by pressing and releasing top and bottom buttons e. Stow regulator with slide button at bottom in STAND-BY belt mount
<u>  1  </u> 12. Deactivate ICM low pressure alarm	12	a. Press the reset button 2 times in rapid succession
<u>  1  </u> 13. Reset SCBA in Compartment	13	a. Ensure harness straps are free from tangles
<u>  1  </u> 14. Close compartment door	14	a. Carefully, do not close on straps, facepiece, or 2 <sup>nd</sup> stage regulator

# MANIPULATIVE PERFORMANCE TEST

How to Don a SCBA,  
From Compartment

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>TIMED STEPS</u>			
<u>1</u>	15. Open compartment door	15	a. <b>ON COMMAND "GO"</b> <b>PROCTOR STARTS TIME</b>
<u>0</u>	16. Remove Helmet (optional)	16	a. This step is optional
<u>1</u>	17. Expose Facepiece	17	a. Remove from storage bag b. Place mask aside to don later c. Place storage bag back in compartment
<u>*2</u>	18. Check Cylinder Gauge	18	a. State Gauge Pressure b. Report "FULL"
<u>*2</u>	19. Open cylinder valve	19	a. Reach in with right hand b. Fully open c. About 7 – one-half turns
<u>1</u>	20. Lift SCBA	20	a. Overhead b. Elbows close to body c. Letting straps fall easily into place
<u>1</u>	21. Balance cylinder	21	a. On back b. Between shoulder blades c. Leaning forward

# MANIPULATIVE PERFORMANCE TEST

How to Don a SCBA,  
From Compartment

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>1</u>	22. Arms through straps	22	a. Take care not to tangle b. Let SCBA slide down back
<u>1</u>	23. Attach chest strap (optional)	23	a. Optional
<u>1</u>	24. Fasten and adjust waist strap	24	a. Pull the left and right waist straps forward simultaneously to adjust
<u>1</u>	25. Tighten both shoulder straps	25	a. Grab 2 pull straps and pull down b. Fluid motion for comfort c. Stand so that backplate rests on hips
<u>1</u>	26. Place Facepiece around neck using neck strap	26	a. Facepiece should hang down from neck with lens toward firefighter
<u>1</u>	27. Don facepiece	27	a. Grasp bottom straps b. Grasp and spread harness c. Place thumbs through straps from inside
<u>2</u>	28. Position facepiece to face	28	a. Chin in chin cup
<u>2</u>	29. Pull harness over head	29	a. Center harness to rear of head
<u>2</u>	30. Tighten bottom straps	30	a. Evenly towards the rear, not outward b. Simultaneously until snug
<u>2</u>	31. Tighten temple straps	31	a. Evenly towards the rear, not outward b. Simultaneously until snug
<u>2</u>	32. Check tabs	32	a. Ensure 5 facepiece tabs are not tucked under the face seal

# MANIPULATIVE PERFORMANCE TEST

How to Don a SCBA,  
From Compartment

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>*2</u>	33. Check facepiece seal	33	a. Cover and seal the inlet hole with the palm of hand between thumb and index finger
			b. Breathe in slowly
			c. Hold for 10 seconds
			d. Listening for leaks
			e. Adjust straps if leakage noticed
<u>1</u>	34. Check exhalation valve	34	a. Exhale
			b. Check for leaks around facepiece
<u>1</u>	35. Don Protective Hood	35	a. From around neck or over mask
<u>*2</u>	36. Connect 2 <sup>nd</sup> stage regulator to facepiece	36	a. Position the Mask Mounted Regulator (MMR) so that the bypass valve points to your right
			b. Slide the fork of the valve down the fasttrack
			c. Take a breath and hold
			d. Connect the regulator to the facepiece
			e. Push in until it clicks
			f. Pull gently to check that it's locked in
			g. Exhale then inhale sharply to open shut off valve and start air

# MANIPULATIVE PERFORMANCE TEST

How to Don a SCBA,  
From Compartment

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

## OPERATIONS

## KEY POINTS

<u>*2</u>	37. Don helmet (if removed in step 16)	37	a. Secure helmet strap under chin
			b. Not around facepiece lens, exhalation valve, regulator or another part of facepiece
			c. Tighten chin strap
<u>1</u>	38. Adjust harness	38	a. Make final adjustments to shoulder and waist straps
<u>*2</u>	39. Properly utilize all available safety equipment	39	a. Structure protection gloves on Protective hood on with no skin exposed.
<u>1</u>	40. Close compartment door	40	a. Carefully
<u>1</u>	41. Clap Hands	41	a. When completed all operations
			b. To stop time, ready for inspection

**MANIPULATIVE PERFORMANCE TEST**

DATE: \_\_\_\_\_

OFFICER: \_\_\_\_\_

DRIVER/ENGINEER: \_\_\_\_\_

FIREFIGHTER: \_\_\_\_\_

Comments:

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	Officer	Driver/Engineer	Firefighter
TOTAL POSSIBLE POINTS:	_____	_____	_____ <b>56</b> _____
DEFICIENCY POINTS:	(____)	(____)	(____)
STUDENT'S FINAL SCORE:	_____	_____	_____
PASSING SCORE (80%):	_____	_____	_____ <b>45</b> _____
PERFORMANCE TIME:	_____		
MAXIMUM ALLOTTED TIME:	_____		
<b>PASS:</b>	_____		
<b>FAIL:</b>	_____		

Reason For Disqualification (if applicable):

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EVALUATOR'S SIGNATURE(S):

\_\_\_\_\_ Date

\_\_\_\_\_ Date

**SANTA CLARA FIRE DEPARTMENT**

**MPT - 1003**

**TOPIC:**                    **How to Don a Self-Contained Breathing Apparatus, Sling/Coat Method**

**TEST PROCESS:**        The objective is to have the student don a SCBA using the sling/coat method while wearing protective clothing. The time will begin on the command "GO." The time will end when the operation is completed.

**EQUIPMENT NEEDED:**    One (1) SCBA  
One (1) set of full protective equipment per student  
One (1) clipboard per rater  
One (1) marking pen per rater  
One (1) stopwatch  
One (1) manipulative performance test directions per rater  
One (1) manipulative performance test directions per student  
One (1) test rating worksheet per rater and per student

**BEHAVIORAL OBJECTIVE:**

**Given:**                    SCBA and protective clothing

**Performance:**        The student will don a SCBA using the sling/coat method while wearing protective clothing.

**Standard:**              Completing all operations within **70 seconds** according to the job breakdown.

**SCORING CRITERIA FOR EACH OPERATION****GENERAL:**

**Scoring Criteria:** The scoring system involves three scoring operations:

1. **Basic Operations** is given a point value of 1.
2. **Essential Operations** is given a point value of 2.
3. **Critical Operations** or **Safety Violations** are given a point value of 2, are pass/fail, and are marked with an asterisk (\*).

**Minimum Passing Score** is **80%** on each evolution.

Students will be assigned deficiency points for each error or omission made. The student fails the test when a designated number of deficiency points have been assigned, when a critical operation is omitted, or when a **safety violation** occurs.

**Testing Procedure:**

Students will call out items that cannot be observed by the rater(s). Students shall verbally indicate that they are ready to begin the test process. The rater(s) will time the evolution (if applicable) and will score the student.

**SPECIFIC:**

**43** Operations will be evaluated

**58** Points are possible

**46** Points within the allotted time are passing. Failure to achieve this score within the allotted time will be cause for rescheduling.

**Evaluator's Criteria: (Do not read aloud)**

Student will receive all or none of the points possible for each key operation. When the student misses or improperly performs an operation, circle the point value listed next to the **Operation** in which the student makes the error. The total deficiency points will be subtracted from the total points possible to determine the final score. Automatic failure can result from the student not completing a **Critical Operation**, or by committing a **Safety Violation**; this will cause immediate termination of that particular test evolution. Exceeding an applicable time allotment for any evolution will also result in automatic failure. If there is a **malfunction** in the equipment, evaluator will **verify** malfunction, then allow student to repeat evolution with an in service unit.

**MANIPULATIVE PERFORMANCE TEST**

How to Don a SCBA, Sling/Coat Method

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS**

**KEY POINTS**

<u>  *2  </u>	1. Don Full Personal Protective Equipment	1	a. Full turnouts, helmet and hood b. Gloves close at hand
<u>  0  </u>	2. SCBA is positioned to don from ground	2	a. Bottle up, backplate rests on ground
<b><u>UNTIMED PREPARATION STEPS</u></b>			
<u>  1  </u>	3. Check SCBA	3	a. Ensure coupling nut is on hand tight
<u>  1  </u>	4. Check Facepiece	4	a. Remove from storage bag b. Loosen all straps on head harness so end tabs are at buckles c. Visually inspect for damage d. Place aside for use in Step 7
<u>  2  </u>	5. Check Cylinder Gauge	5	a. State Gauge Pressure b. Report "FULL" <b>c. If less than 4000 psig replace with full cylinder</b>
<u>  1  </u>	6. Open cylinder valve	6	a. Reach down b. Fully open c. About 7 – one-half turns

**MANIPULATIVE PERFORMANCE TEST**

How to Don a SCBA, Sling/Coat Method

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS****KEY POINTS**

<b>OPERATIONS</b>		<b>KEY POINTS</b>	
<u>*2</u>	7. Check Facepiece Heads Up Display (HUD)	7	a. Hold Mask 6 -15" from HUD sending unit b. Ensure HUD - LED lights cycle through all light patterns c. Ensure LED shows 4 greens d. Ensure no "yellow" low battery warning lights are flashing e. If "yellow" low battery lights continue to flash, replace batteries in facepiece, HUD sending unit, or both. f. Replace mask in storage bag
<u>*2</u>	8. Check the Integrated Computer Module (ICM) Pressure Gauge	8	a. Visually b. At least 4000 psig
<u>*2</u>	9. Compare Cylinder Gauge with ICM gauge	9	a. Gauges should read no more than 225psig in difference
<u>1</u>	10. Close cylinder valve	10	a. Reach down b. Close fully c. About 7 – one-half turns

**MANIPULATIVE PERFORMANCE TEST**

How to Don a SCBA, Sling/Coat Method

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS****KEY POINTS**

<u>  1  </u>	11. Bleed system pressure	11	a. Open bypass valve b. Release all pressure c. Close bypass valve d. Ensure 2 <sup>nd</sup> stage regulator is not active (on) by pressing and releasing top and bottom buttons. e. Stow regulator with slide button at bottom in STAND-BY belt mount
<u>  1  </u>	12. Deactivate ICM low pressure alarm	12	a. Press the reset button 2 times in rapid succession
<u>  1  </u>	13. Reposition SCBA for Timed portion (as in Step 2)	13	a. Ensure harness straps are free from tangles

**MANIPULATIVE PERFORMANCE TEST**

How to Don a SCBA, Sling/Coat Method

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS****KEY POINTS**

<b><u>TIMED STEPS</u></b>			
<u>  1  </u>	14. F/F positions himself/herself kneeling next to or standing over SCBA	14	a. <b>ON COMMAND “GO” PROCTOR STARTS TIME</b>
<u>  0  </u>	15. Remove Helmet (optional)	15	a. This step is optional
<u>  1  </u>	16. Expose Facepiece	16	a. Remove from storage bag b. Place mask aside to don later c. Place storage bag back out of the way
<u> *2  </u>	17. Check Cylinder Gauge	17	a. State Gauge pressure b. Report “FULL”
<u> *2  </u>	18. Open cylinder valve	18	a. Reach down b. Fully open c. About 7 – one-half turns
<u>  1  </u>	19. Grasp shoulder strap	19	a. Strap (with ICM) with right hand
<u>  2  </u>	20. Guard ICM	20	a. With free hand
<u>  1  </u>	21. Lift unit	21	a. Until strap rests on shoulder b. One fluid motion
<u>  1  </u>	22. Slip arm	22	a. Between shoulder strap and backpack frame
<u>  1  </u>	23. Swing unit	23	a. Across back
<u>  1  </u>	24. Slip opposite arm	24	a. Between shoulder strap and backpack frame

**MANIPULATIVE PERFORMANCE TEST**

How to Don a SCBA, Sling/Coat Method

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS****KEY POINTS**

<u>  1  </u>	25. Balance cylinder	25	a. On back b. Leaning forward
<u>  1  </u>	26. Tighten chest strap	26	a. Optional
<u>  1  </u>	27. Fasten and adjust waist strap	27	a. Position 2 <sup>nd</sup> stage regulator over left pocket
<u>  1  </u>	28. Tighten both shoulder straps	28	a. Grab 2 pull straps and pull down b. Fluid motion for comfort c. Standing so backplate rests on hips
<u>  1  </u>	29. Place Facepiece around neck using neck strap	29	a. Facepiece should hang down from neck lens towards firefighter
<u>  1  </u>	30. Don Facepiece	30	a. Grasp bottom straps b. Grasp and spread harness c. Place thumbs through straps from inside
<u>  2  </u>	31. Position Facepiece to face	31	a. Chin in chin cup
<u>  2  </u>	32. Pull harness back over head downward	32	a. Center harness to rear of head
<u>  2  </u>	33. Tighten bottom straps	33	a. Evenly towards the rear, not outward b. Simultaneously until snug
<u>  2  </u>	34. Tighten temple straps	34	a. Evenly towards the rear, not outward b. Simultaneously until snug
<u>  2  </u>	35. Check tabs	35	a. Ensure 5 Facepiece tabs are not tucked under the face seal

**MANIPULATIVE PERFORMANCE TEST**

How to Don a SCBA, Sling/Coat Method

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS**

**KEY POINTS**

OPERATIONS		KEY POINTS	
<u>  *2  </u>	36. Check Facepiece seal	36	a. Cover and seal the inlet hole with the palm of hand between thumb and index finger b. Breathe in slowly c. Hold for 10 seconds d. Listening for leaks e. Adjust straps if leakage noticed
<u>  1  </u>	37. Check exhalation valve	37	a. Exhale b. Check for leaks around Facepiece
<u>  1  </u>	38. Don Protective Hood	38	a. From around neck or over mask
<u>  *2  </u>	39. Connect 2 <sup>nd</sup> stage regulator to facepiece	39	a. Position the Mask Mounted Regulator (MMR) so that the bypass valve points to your right b. Slide the fork of the valve down the fasttrack c. Take a breath and hold d. Connect the regulator to the facepiece e. Push in until it clicks f. Pull gently to check that it's locked in g. Exhale then inhale sharply to open shut off valve and start air

**MANIPULATIVE PERFORMANCE TEST**

How to Don a SCBA, Sling/Coat Method

STUDENT: \_\_\_\_\_

DATE: \_\_\_\_\_

**OPERATIONS****KEY POINTS**

<u>*2</u>	40. Don helmet	40	a. Secure helmet strap under chin b. Not around facepiece lens, exhalation valve, regulator or another part of facepiece c. Tighten chin strap
<u>1</u>	41. Adjust harness	41	a. Make final adjustments to shoulder and waist straps
<u>*2</u>	42. Properly utilize all available safety equipment	42	a. Structure protection gloves on. Protective hood on with no skin exposed.
<u>1</u>	43. Clap Hands	43	a. When completed all operations. b. To stop time, ready for inspection

**MANIPULATIVE PERFORMANCE TEST**

How to Don a SCBA, Sling/Coat Method

DATE: \_\_\_\_\_

OFFICER: \_\_\_\_\_

DRIVER/ENGINEER: \_\_\_\_\_

FIREFIGHTER: \_\_\_\_\_

Comments:

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	Officer	Driver/Engineer	Firefighter
TOTAL POSSIBLE POINTS:	_____	_____	<u>58</u>
DEFICIENCY POINTS:	(____)	(____)	(____)
STUDENT'S FINAL SCORE:	_____	_____	_____
PASSING SCORE (80%):	_____	_____	<u>46</u>
PERFORMANCE TIME:	_____		
MAXIMUM ALLOTTED TIME:	_____		
<b>PASS:</b>	_____		
<b>FAIL:</b>	_____		

Reason For Disqualification (if applicable):

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EVALUATOR'S SIGNATURE(S):

\_\_\_\_\_ Date

\_\_\_\_\_ Date