



Performance Examination

4100 Sub JAC Handbook

MMR SCBA &
24' EXTENSION
LADDER

TOPIC: JAC PERFORMANCE EXAM

CATEGORY: MMR SCBA & 24' Extension Ladder

POINTS POSSIBLE: 100

TIME ALLOWED: 6 Minutes

BEHAVIORAL OBJECTIVE:

Condition: An engine with a MMR SCBA mounted in a breathing apparatus compartment, with the apprentice face piece, a 24' solid beam extension ladder as typically mounted on the engine. The engine parked and chocked 75' from drill structure.

Behavior: The firefighter will be in full structural PPE, will don the MMR SCBA, remove a 24' solid beam extension ladder, carry and raise the 24' ladder, go on air, climb, then descend the ladder, and return the ladder to a designated location near the engine.

Standard: Perform the steps in proper sequence according to the attached score sheet, with a minimum of 80% accuracy within 6 minutes. Over time constitutes a score of zero.

MATERIALS NEEDED:

- One (1) Engine
- One (1) – MMR Self-Contained Breathing Apparatus
- One (1) 24' Solid Beam Extension Ladder

PROCEDURES:

Apprentice is seated, with seat belt fastened, in an engine in full structure PPE.

Time starts when the apprentice exits cab and steps on the ground. Time stops when the apprentice grounds the ladder near the engine.

After the evaluator has completed an inspection of the donned SCBA, the apprentice will return ladders onto fire engine brackets and complete the un-timed SCBA removal procedures.



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SCORING:

Points are assigned for each step completed correctly. For each step missing or performed incorrectly, the points will be deducted. If any step is Pass/Fail, it must be completed correctly to receive a passing score.

If there are no "Fail" steps, any missed points are deducted from the 100 points and the final score is determined. If there are any "Fail" steps, that will constitute a failure of the exam and a score of zero.

A score of "zero" will be given if during the examination the firefighter performs any step or procedure that would jeopardize the safety of personnel or damage the equipment

(ie grasp a rung on a ladder while the fly section is not tied off, control of ladder is lost)

SPECIAL NOTES:

Before the examination begins, the apprentice will be allowed to ask any clarify questions and inspect the breathing apparatus to make sure all valves, switches and straps are in the proper position, and the ladders are properly mounted.

Once the examination begins the evaluator will not answer any questions or intercede in any way unless necessary to protect the safety of personnel or equipment.

SAFETY FACTOR: If the apprentice handles any equipment in a manner which jeopardizes either the safety of themselves, other personnel or equipment, the evaluator may intervene, stop the test and the apprentice will fail the exam due to a safety violation. Final score will be zero.

If the apprentice attempts to climb the ladder without the halyard being tied off or heeled by an assistant, drops the breathing apparatus, or loses control of the ladder, the apprentice will fail the exam due to a safety violation.

The apprentice is not permitted to use expansion joints or soft surfaces to foot the ladder while raising or lowering ladder to or from the carry position. If such a surface is used, the test will be stopped and the apprentice will be required to begin the test again.



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DATE ___ / ___ / ___ NAME _____

PROCTOR'S NAME: _____ YEAR: - 1ST - 3RD

STEPS AND PROCEDURES

Points

Apprentice is positioned in the engine, seatbelts fastened, in full structure PPE

TIME STARTS WHEN THE APPRENTICE EXITS THE CAB AND STEPS ONTO THE GROUND

- | | | |
|----|---|------------------|
| 1. | Go to the breathing apparatus location on the engine or if the SCBA is seat-mounted – Skip to Step 3 | <u>5</u> |
| 2. | Tilt or remove cylinder to read the air pressure gauge & state pressure | <u>5</u> |
| 3. | Don SCBA harness | <u>5</u> |
| 4. | Connect and tighten straps in order (chest, shoulder, waist) no twists in straps | <u>5</u> |
| 5. | Fully open air cylinder valve and ensure audi-alarm arms (bell rings) | <u>Pass/Fail</u> |
| 6. | Place face piece neck strap over and behind the head outside of turn-out coat collar, let mask hang from neck OR don mask using Steps 22 thru 26, then return to step 7 | <u>10</u> |
| 7. | Close compartment or passenger door | <u>5</u> |
| 8. | Remove the ladder | <u>5</u> |
| | a. Remove protective pad | |
| | b. Release ladder locks | |
| | c. Remove roof ladder and place 10' from the engine in a safe location (if a roof ladder is normally mounted on the engine) | |
| | d. Find the balance point of the 24' ladder | |
| 9. | Upon reaching the balance point dip or bend the knees slightly and remove the ladder from the engine into a high shoulder carry position | <u>5</u> |



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10.	Carry the ladder to the designated point with the butt end tilted down announcing "ladder coming through" and "ladder coming around" as necessary	<u>5</u>
11.	Upon reaching building, raise ladder by lowering the butt end of the ladder to the ground and simultaneously pushing the lower beam upward until the ladder is in a vertical position. (fly section toward the building)	<u>2</u>
12.	With both hands on the beams of the ladder stabilize the ladder by placing the instep, calf and knee of one leg against the beam of the ladder and the other leg one step back	<u>2</u>
13.	Release the ladder beams, grasp the halyard with both hands in a thumbs down position and place both forearms against the beams	<u>2</u>
14.	Announce "fingers and toes" loudly	<u>2</u>
15.	Using a hand over hand method raise the fly section of the ladder	<u>2</u>
a.	Do not touch rungs	<u>Pass/Fail</u>
16.	Lower the fly section until the pawls lock on a rung	<u>2</u>
17.	Visually confirm that the pawls are locked then announce "pawls locked" loudly. Shift hands from halyard to beams.	<u>2</u>
18.	Facing the ladder and the building place the ball of either foot on the bottom rung of the ladder with both hands at chest height on the beams then slowly lower the extended ladder into the building	<u>2</u>
19.	Form a loop with the excess halyard, by wrapping the excess over one rung or two adjacent rungs and then tie off with a clove hitch and finish with a half hitch	<u>Pass/Fail</u>
20.	Assure the climbing angle is correct, with ladder tied off, repeat adjustment until angle is correct	<u>5</u>
21.	Request an assistant to heel the ladder	<u>0</u>
22.	Don face piece (Unless this action was completed at Step 6 then skip to Step 27)	<u>Pass/Fail</u>
23.	Tighten head harness straps in order (chin, temple)	<u>5</u>



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24. Test face piece, both inhale and exhale operations	<u>5</u>
NOTE: If improper seal is detected return to Step 23	
25. Don fire resistive hood	<u>Pass/Fail</u>
26. Place the helmet on the head and tighten chinstrap	<u>5</u>
27. Raise and fasten the turn-out coat collar	<u>2</u>
28. Connect regulator into face piece	<u>Pass/Fail</u>
a. Ensure it is locked in by listening for the click and pulling on regulator	
b. Inhale to start air flow	
29. Verbally state the pressure indicated on the regulator pressure gauge	<u>2</u>
30. Check auxiliary safety devices (i.e. bypass valve heads up display)	<u>Pass/Fail</u>
31. Check to ensure that pawls are engaged and locked prior to climbing the fly section and announce "pawls are locked" loudly.	<u>2</u>
32. Climb the ladder using the alternate rung foot and hand technique	<u>5</u>
33. Halt climb at the roof line and lock in using the leg lock method with either foot projected through the ladder between the rungs and wrapped around the beam and show working from the ladder	<u>10</u>
34. Descend the ladder using alternate rung foot and hand technique	<u>5</u>
35. Dismiss the assistant heeling the ladder	<u>0</u>
36. Remove the regulator from the face piece secure into docking collar	<u>2</u>
37. Prepare to remove the ladder	<u>5</u>
a. Reposition ladder if necessary	
b. Untie the clove hitch and half hitch	
c. With the ball of the foot on the bottom rung, slowly pull the ladder away from the building to a vertical position.	



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- | | | |
|-----|--|------------------|
| 38. | With both hands on the beams of the ladder, stabilize the ladder by placing the instep, calf and knee of one leg against the beam of the ladder and place the other leg one step back | <u>2</u> |
| 39. | Release the ladder beams, grasp the halyard with both hands in a thumbs down position and place both forearms against the beams | <u>2</u> |
| 40. | Announce "fingers and toes" loudly | <u>2</u> |
| 41. | Using a hand over hand method, raise the fly section slightly to unlock the pawls then lower the fly section with the halyard. | <u>2</u> |
| a. | Do not touch rungs. | <u>Pass/Fail</u> |
| 42. | Lower the fly section until the pawls lock on the second rung | <u>2</u> |
| 43. | Visually confirm that the pawls are locked then announce "pawls locked" loudly. Shift hands from halyard to beams | <u>2</u> |
| 44. | Visually check the area where the tip of the ladder is to be lowered and loudly announce "clear" | <u>5</u> |
| 45. | Positioned at the side of the ladder, facing the corner of the beam with one hand on each beam of the base section, tilt ladder toward the body while walking backwards. Slide the palm of the hand on the lower beam to the balance point | <u>5</u> |
| 46. | Dipping at the knees slightly, leverage the butt of the ladder off the ground into a high shoulder carry position while supporting the ladder | <u>5</u> |
| 47. | Carry the ladder to a designated area near the engine with the butt end tilted down announcing "ladder coming through" and "ladder coming around" as necessary | <u>5</u> |
| 48. | Ground ladder parallel to the engine with tip of the ladder towards the front of the engine, and the butt of the ladder towards the rear of the engine, fly section up. | <u>5</u> |

END OF TIMED EVOLUTION

ENTER TIME:

:



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- 49. Remove helmet, fire resistive hood and facepiece 2
- a. Ensure facepiece will not be damaged
- 50. Close the air cylinder valve fully 2
- 51. Bleed the remaining air out of the regulator using bypass valve 2

Place 24' ladder back on engine in its proper location with the help of an assistant

- a. Place roof ladder back on engine in its proper place
- b. Secure ladder locks
- c. Place protective pad back on

Remove SCBA harness and replace all equipment

EXAMINATION ENDS

ENTER TOTAL TIME: _____
:

TOTAL POINTS POSSIBLE: 100

POINTS DEDUCTED: _____

ENTER THE FINAL SCORE: _____

LESS THAN 80 POINTS, OVER TIME OR ANY STEP MARKED AS FAIL: Fail

COMMENTS: _____

