



Performance Test

Fire Fighter Academy

FORWARD HOSE LAY

TOPIC/EQUIPMENT: Forward Hose Lay

CATEGORY: I

POINTS POSSIBLE: 100

TIME ALLOWED: 6 minutes 30 seconds

BEHAVIORAL OBJECTIVE:

Condition: A CDF engine with a MSA MMR SCBA mounted in a breathing apparatus compartment, with the cadet's face piece. The engine will be parked near the hydrant, the left hose bed loaded for a forward lay with large diameter hose, 150' 1 3/4" preconnected Minuteman hose load with nozzle attached. The brass compartment will have two LDH spanners, one hydrant wrench, and a 4 1/2" to 5" adapter.

Behavior: The cadet will be in full structural PPE. The cadet will lay a single forward LDH supply line, charge the LDH when appropriate, return to the engine to don a MSA MMR SCBA, extend a dry Minuteman load to the second floor, signal to charge the line, and when the line is charged it will be extended to the third floor exterior landing.

Standard: Perform the actions in proper sequence according to the attached score sheet, with a minimum of 80% accuracy within 6 minutes and 30 seconds. Being over time constitutes a score of zero.

MATERIALS NEEDED:

- One (1) CDF engine
- At least 550' of large diameter hose
- 150' of 1 3/4" hose
- One (1) 1 1/2" combination nozzle
- Two (2) LDH spanners
- One (1) hydrant wrench
- One (1) 4 1/2" x 5" adapter
- One (1) manipulative performance test cover page
- One (1) score sheet per cadet



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PROCEDURES:

Cadet is seated with seat belt fastened in a CDF engine in full structure PPE. Time starts when cadet exits cab and steps on the ground. Time stops when the cadet is clear of the door and flows water from the third floor exterior landing.

Cadet will meet with evaluator for an inspection of the donned SCBA.

SCORING:

Points are assigned for each action the cadet performs. The cadet must perform the action with no errors to receive the maximum points assigned to that action. The action has required elements that must be met. For each element missing or performed incorrectly it will be documented and the score will be reflected for the category in which the error occurred. (i.e., an error under "Major Task Error" would equate to the points assigned to "Major Task Error") If any action is scored with a 0, it will result in failure of the performance test, not just that action.

If there are no 0 actions, the points for each step are added and that is the final score.

Should a cadet need to retest, any successful retest will achieve a passing score of no more than 80 points.

A score of "zero" will be given if during the examination the cadet performs any step or procedure that would jeopardize the safety of personnel or the equipment (i.e. standing inside the bight, falling, losing control of the nozzle, etc.)

SPECIAL NOTES:

Before the examination begins, the cadet will be allowed to ask any clarifying questions and inspect the equipment. Once the examination begins the evaluator shall not answer any questions or intercede in any way, unless necessary to protect the safety of personnel or equipment.

SAFETY FACTOR: If the cadet is straddling the hose, standing in front of the coupling, or standing inside the bight, while laying the LDH, the evaluator will not allow the engine to proceed and the cadet will fail the exam due to a safety violation. Final score will be zero.

If the cadet 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 cadet will fail the exam due to a safety violation. Final score will be zero.

Score Sheet

Forward Hose Lay

DATE ____ / ____ / ____ TEST # ____ ROSTER # ____ ENGINE # ____

CADET'S NAME _____

EVALUATOR'S NAME _____

STEPS AND PROCEDURES

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

FIRST ACTION:

Cadet acquires LDH spanners (2), (hydrant wrench with spanner lug may be used as the second spanner) an adaptor and hydrant wrench from the brass compartment and places them near the hydrant. Cadet pulls LDH from the hose bed, while stepping off the tailboard safely, and extends hose past the hydrant. Cadet properly anchors LDH, signals with free hand, and loudly directs the operator to "Lay line". Cadet flushes the hydrant, connects adaptor and hose and waits at hydrant until operator signals for water. Once signaled, cadet will charge LDH by fully opening the hydrant, pick up spanners and hydrant wrench and return to the engine.

- 20 pts Action performed correctly
- 15 pts Minor Task Errors, for example (but not limited to)
- Did not get all appliances the first time
 - Does not signal operator with free hand
 - Returns to engine without spanners or hydrant wrench
 - Does not loudly state "Lay line"
- 10 pts Major Task Errors, for example (but not limited to)
- Left some or all of the brass and appliances on the engine and it lays line
 - Drops or damages brass
 - Inadequate amount of LDH hose pulled past the hydrant
 - Lets go of hose prior to being grounded
 - Left any compartment doors open prior to signaling the engine to lay line
 - Flushes hydrant through the adaptor
 - Does not fully flush the hydrant
 - Multiple Minor Task errors
- 0 pts Test Failure
- Steps off the tailboard backwards without utilizing the handrail or walks backwards
 - Fails to properly anchor the hose
 - Does not fully open the hydrant when charging LDH

Score Sheet

Forward Hose Lay

- Straddling the hose, standing in front of the coupling or standing in the bight
- Charges the hydrant before the operator signals
- Water hammers hydrant while flushing
- Major kinks in the LDH at the hydrant
- Multiple Major Task errors
- SAFETY VIOLATION

COMMENTS: _____

SECOND ACTION:

Cadet will return spanners and hydrant wrench to the brass compartment and properly don SCBA (cylinder pack only), including fully opening cylinder, stating pressure, and has no twisted straps. Mask is hung around neck or donned and compartment door must be closed. Cadet will shoulder the minuteman load and advance the hose to the exterior second floor door ensuring control of the hose load while deploying.

- 50 pts Action performed correctly
- 40 pts Minor Task Errors, for example (but not limited to)
- Left compartment doors open
 - Helmet is not secured with a tight chin strap under the chin or helmet is loose
 - Minor twist in straps, including the ICM caught in a belt or strap
 - Regulator is not controlled and could be damaged
- 35 pts Major Task Errors, for example (but not limited to)
- Does not state pressure on cylinder gauge
 - Major twist in straps, could cause the SCBA to shift or catch on a hazard
 - Fire-resistant hood is not fully protecting or covering skin (if mask is donned)
 - Mask left on engine or placed it in a position where lens could be scratched
 - Cadet loses control of hose load
 - Multiple Minor Task errors
- 0 pts Test Failure
- SCBA dropped, or handled in a manner that could cause injury or damage to any person or equipment
 - Does not have control of the nozzle while advancing the hose.
 - Did not fully open cylinder prior to donning
 - Does not check seal on face piece (if mask is donned)
 - Face piece or fire resistive hood not completely donned (if masked is donned)
 - Face piece neck strap not around neck
 - Hose is kinked in a manner that would effect water flow
 - Multiple Major Task errors
 - SAFETY VIOLATION

COMMENTS: _____

THIRD ACTION:

Cadet will signal operator to charge the minuteman hose line and ensure there are no kinks in the hose that would impede water flow. Open the nozzle to bleed air and check the nozzle water pattern. Cadet will safely feel the door for heat, from bottom to top, and determine if it is safe to enter. Cadet will be crouched low, on air and have control of the nozzle before opening door. Cadet will advance the line, with the nozzle closed, to the third floor via the interior stairwell. Cadet exits the third floor exterior door, steps out onto the landing, clears the area in front of the door and fully opens the nozzle to flow water. Nozzle pattern must be a narrow straight stream.

- 30 pts Action performed correctly

- 25 pts Minor Task Errors, for example (but not limited to)
 - Feels door for heat from top to bottom
 - Does not verbally state the pressure on the pressure gauge

- 15 pts Major Task Errors, for example (but not limited to)
 - Checks for heat with gloved hand or fails to feel the door above their head
 - Excessive air left in hose
 - Bypass valve not checked
 - Face piece, regulator or fire resistive hood not donned correctly
 - Fails to correct nozzle pattern prior to entering structure
 - Loses control of nozzle when hose is charged
 - Multiple Minor Task errors

- 0 pts Test Failure
 - Enters the door before checking for heat
 - Enters building off air or standing
 - Does not check seal on face piece (if mask is donned)
 - Not in full structure PPE
 - Does not bleed air, check water flow or nozzle pattern
 - Not a straight stream when fully opening nozzle at the end of evolution
 - Multiple Major Task errors
 - SAFETY VIOLATION

COMMENTS: _____

Score Sheet

NOTE: Adjunct will assist cadet by pulling hose around door jam, and/or around interior hand rail while ascending to third floor area. Adjunct will remain at the second floor door entry and will NOT pull hose onto landing or into building.

TIME ENDS WHEN THE CADET FLOWS WATER FROM THIRD FLOOR EXIT

Cadet will remove the SCBA and return it service. Air must be bled out using the bypass valve, straps fully extended and mask placed in the protective case.

ACTION SCORES:

1 ST	2 ND	3 RD	TOTAL

OVER TIME OR ANY ACTION OF 0

ENTER TOTAL TIME: _____ :

ENTER THE FINAL SCORE _____

OR RETEST SCORE _____

(Retest score will be no greater than 80 points)