

Massachusetts Fire Training Council

Driver/Operator- Aerial Practical Certification Examination

Skill Sheet No.	DOA-101	04-01-19	Candidate Number	
Skill Title: PRE-TRIP INSPECTION & DOCUMENTATION			PAGE 1	
NFPA Objective:	4.1.1, 4.2.2, 4.3.7, 6.1.1	Minimum to pass:	35	
PERFORMANCE:			P	F

		APPROACHING VEHICLE				
1.		Inspects general condition as it is approached.				
2.		Looks for damage or if leaning to one side.				
3.		Verifies wheels are chocked.				
4.		Assures transmission is in "P" or "N" and parking brake is engaged.				
		WALK AROUND INSPECTION				
5.		Inspects under vehicle for leaks of oil, grease, coolant, or fuel.				
6.		Inspects all hosebeds for secure hoselines.				
7.		Starts at left front, Inspects exterior in a clockwise direction.				
8.		Inspects left front wheel, tire, tread, inflation, suspension.				
9.		Inspects windshield and wipers.				
10.		Inspects right front wheel, tires, tread, inflation, suspension.				
11.		Inspects right side cab doors and seat belts.				
12.		Inspects right side caps, valves, drains, etc.				
13.		Inspects right side compartments and compartment doors assuring latched.				
14.		Inspects right rear wheels, tires, tread, inflation, suspension.				
15.		Inspects left rear wheels, tires, tread, inflation, suspension.				
16.		Inspects left side compartments and compartment doors assuring latched.				
17.		Inspects left side cab doors and seat belts.				
18.		Inspects pump panel, if applicable.				
		ENGINE COMPARTMENT				
19.		Inspects engine oil.				
20.		Inspects coolant level and fan for defects.				
21.		Inspects power steering fluid level.				
22.		Inspects windshield washer level.				
23.		Inspects belts for tightness and wear.				
24.		Inspects for leaks.				
25.		Inspects batteries.				
		INSIDE CAB				
26.		Removes wheel chocks.				
27.		Starts engine. Listens for unusual noises.				
28.		Checks transmission fluid level.				
29.		Checks all gauges, verifies that all are registering in normal ranges. (Oil pressure, ammeter, coolant temperature, oil temperature, warning lights)				
30.		Checks operation of all controls. (Steering wheel, accelerator, brakes, transmission, horn, windshield wipers/washer, light switches)				
31.		Checks windshield.				
32.		Checks and adjusts mirrors.				

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Skill Title: PRE-TRIP INSPECTION & DOCUMENTATION

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		LIGHTING AND WARNING SYSTEMS				
	33.	Checks headlights. (Low and high beams)				
	34.	Checks running lights, parking lights, brake lights.				
	35.	Checks turn signals/four-way flashers.				
	36.	Checks warning lights. (Front, rear, sides)				
	37.	Checks audible warning systems.				
		BRAKING SYSTEM CHECK				
	38.	Builds up air pressure to stop low air warning signal, if necessary.				
	39.	Releases parking brake.				
	40.	Shuts down engine, leaving electrical system on, and pumps brakes to reduce air pressure. Low air warning should activate.				
	41.	Continues pumping brakes. Parking brake should engage.				
	42.	Assures parking brake is engaged. Builds air pressure. Puts vehicle in low gear and gently accelerates. Checks to see if vehicle creeps ahead.				
	43.	Releases parking brake. Moves forward slowly (5 mph). Firmly applies brakes. Checks to see if vehicle pulls to one side or is delayed stopping.				
	44.	Places transmission in 'P' or 'N'. Sets parking brake. Allows engine to idle down. Shuts down engine. Shuts off electrical system. Chocks wheels.				
		AERIAL SYSTEMS				
	45.	Inspects aerial stabilizers, cable, slides, and rollers.				
	46.	Inspects hydraulic lines, fittings, and safety systems.				
	47.	Inspects on board communication system.				
		OTHER EQUIPMENT				
	48.	Inspects other apparatus systems not listed above.				
		DOCUMENTATION				
	49.	Documents inspection findings on inspection checklist.				
	50.	Completes evolution as directed.				

Failure of this critical portion is cause for entire skill failure

Examiner Signature _____ Date ____/____/____

Print Name _____

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Skill Sheet No.	DOA-102	04-01-19	Candidate Number	
Skill Title: DRIVER COMPETENCY				
NFPA Objective:	4.3.1 – 4.3.6	Minimum to pass	70	
PERFORMANCE:		Candidate starts with 100, less penalty points		
1.	Utilizes seat belt and spotter directions. Mandatory Task – 50 points			
	STRAIGHT LINE, STOPPING, BACKING EXERCISE			
	Travels through straight line hugging left side without striking cones. Stops at end of the course within 6" from cones, then backs out of the line without striking cones.			
2.	Penalty points added for striking cones, over 6", etc.			
	CONFINED SPACE TURNAROUND			
	Travels toward corner of space. Maneuvers back and forward without projecting outside of boundaries. (Note: This is NOT a 3-point turn. There is no limit to number of turns.) Drives out of space in a forward direction.			
3.	Penalty points for protruding outside of cone boundaries, striking cones.			
	ALLEY DOCK EXERCISE			
	Backs vehicle into alley and stops vehicle within 6 inches of rear of alley.			
4.	Penalty points for striking dock and for more than 6" from end. (cones/dock)			
	SERPENTINE EXERCISE			
	Enters course, stays to the right of cones passing 3rd cone, and stops diagonally between 3rd and 4th cones. Backs to the left of 3 rd cone, right of the 2 nd cones, left of the 1 st cone. Stops at entrance and then drives forward to the right of the 1st cone, left of the 2 nd cone, right of the 3 rd cone, and exits on left side of course.			
5.	Penalty points for striking cones, crossing lines.			
	OFF-SET ALLEY EXERCISE			
	Drives through first alley and then proceeds through second alley.			
6.	Penalty points for striking cones.			
	DIMINISHING CLEARANCE EXERCISE			
	Drives through 100 foot long alley without striking any cones. (Note: alley starts at 9', 6" wide and ends at 8', 2" wide.)			
7.	Penalty points for striking cones.			
8.	OVER MAXIMUM ALLOWABLE TIME of 10 minutes: (10 points for each whole 15 seconds over 8 minutes) TIME: _____			
	TOTAL PENALTY POINTS			
	PENALTY POINTS: Striking cones (3); Striking dock (5); Crossing lines (1); Stopping more than 6" from target (2); more than 12" (4); more than 18" (6)			
	TOTAL SCORE: (100 minus total penalty points)			

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Skill Sheet No.	DOA-103	04-01-19	Candidate Number	
Skill Title: RAISE AERIAL TO THE ROOF OF A BUILDING				
NFPA Objective:	6.2.1 – 6.2.3	Minimum to pass	13	
PERFORMANCE:				P F

	1.	Wears PPE				
	2.	Engages parking brake before exiting the apparatus.				
	3.	Engages the aerial before exiting the apparatus.				
	4.	Chocks the wheels immediately after exiting the apparatus.				
	5.	Engages switch for stabilization.				
	6.	Properly stabilizes vehicle for aerial operation.				
	7.	Disengages stabilizers, readies for aerial operation.				
	8.	Checks for overhead hazards and obstructions.				
	9.	Raises aerial to roof at 90° to building.				
	10.	Raises aerial ladder to roof with 3 to 5 rungs above roof line.				
	11.	Makes ladder secure.				
	12.	Raises aerial from roof.				
	13.	Rotates aerial to center position for lowering.				
	14.	Lowers aerial into bed.				
	15.	Disengages aerial, readies for stabilizer operation.				
	16.	Fully retracts stabilizers.				
	17.	Disengages aerial/stabilizer switch.				
	18.	Completes evolution as directed.				

■ Failure of this critical portion is cause for entire skill failure

Examiner Signature _____ Date ____/____/____

Print and Sign _____

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Driver/Operator- Aerial Practical Certification Examination

Skill Sheet No.	DOA-104	04-01-19	Candidate Number	
Skill Title: RAISE AERIAL TO A WINDOW FOR RESCUE				
NFPA Objective:	6.2.1 – 6.2.3	Minimum to pass	12	
PERFORMANCE:				P F

	1.	Wears appropriate PPE				
	2.	Engages parking brake before exiting the apparatus.				
	3.	Engages the aerial before exiting the apparatus.				
	4.	Chocks the wheels immediately after exiting the apparatus.				
	5.	Engages switch for stabilization.				
	6.	Properly stabilizes vehicle for aerial operation.				
	7.	Disengages stabilizers, readies for aerial operation.				
	8.	Checks for overhead hazards and obstructions.				
	9.	Raises aerial to roof at 90° to building.				
	10.	Raises aerial ladder to a point even with, or slightly below the windowsill.				
	11.	Makes ladder secure.				
	12.	Remove aerial from the window location.				
	13.	Rotates aerial to center position for lowering.				
	14.	Lowers aerial into bed.				
	15.	Disengages aerial, readies for stabilizer operation.				
	16.	Fully retracts stabilizers.				
	17.	Disengages aerial/stabilizer switch.				
	18.	Completes evolution as directed.				

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Print Name _____

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Skill Sheet No.	DOA-105	04-01-19	Candidate Number	
Skill Title: DEPLOY AN ELEVATED MASTER STREAM				
NFPA Objective:	6.2.5	Minimum to pass	10	
PERFORMANCE:				P F

	1.	Wears appropriate PPE				
	2.	Engages parking brake before exiting the apparatus.				
	3.	Engages the aerial before exiting the apparatus.				
	4.	Chocks the wheels immediately after exiting the apparatus.				
	5.	Engages switch for stabilization.				
	6.	Properly stabilizes vehicle for aerial operation.				
	7.	Disengages stabilizers, readies for aerial operation.				
	8.	Checks for overhead hazards and obstructions.				
	9.	Raises aerial 75° and rotates 90° to the truck chassis.				
	10.	Attaches hoseline(s) to aerial intake.				
	11.	Notifies engine operator to charge hoseline(s).				
	12.	Removes kinks in hoselines as necessary.				
	13.	Upon direction from examiner, signals to stop water.				
	14.	Completes evolution as directed.				

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Skill Sheet No.	DOA-106	04-01-19	Candidate Number	
Skill Title: LOWER AERIAL UTILIZATION EMERGENCY SYSTEMS				
NFPA Objective:	6.2.4	Minimum to pass	8	
PERFORMANCE:				P F

■	1.	Wears appropriate PPE	■	■	
	2.	Locates emergency power unit (EPU) and its control.			
	3.	Directs aerial operator to turntable.			
	4.	Directs aerial operator to retract, rotate, and lower aerial into bed.			
	5.	Operate EPU as needed.			
■	6.	Assures ladder is secured.	■	■	
	7.	Directs aerial operator to outrigger controls.			
	8.	Directs aerial operator to raise and retract outriggers.			
	9.	Operate EPU as needed.			
■	10.	Assures outriggers are secure.	■	■	
■	11.	Completes evolution as directed.	■	■	

■ Failure of this critical portion is cause for entire skill failure

Examiner Signature _____ Date ____/____/____

Print Name _____