New Jersey Division of Fire Safety

BASIC PRACTICAL SKILLS EXAMINATION REPORT

Office of Training and Certification

Skill sheet #

ARFF 10-1

Certification title

AIRPORT FIREFIGHTING & RESCUE 6TH EDITION

Applicant Information

Candidate name	DFS ID #	Course #

Evaluation

Standard:
NFPA 1002, 1003 2015 Edition

Chp. 4.2.2/9.1.1

Perform a routine walk-around maintenance inspection of an ARFF apparatus. *[NFPA® 1002, 9.1.1*

For this skills evaluation checklist, students will perform a walk-around routine maintenance inspection. This skill requires two firefighters: one to inspect and document results and one to assist. Remind students to always follow manufacturer's recommendations and local standard operating procedures (SOPs) when performing this objective. While more than one person may be involved with the inspection, all defects must be reported to a single lead person and documented.

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
1	Set up the inspection area. Park the apparatus outdoors, if weather permits. If indoors, be sure that proper ventilation equipment is in place or doors are open to vent vehicle exhaust.						
2	Chock the vehicle's wheels.						
3	Begin inspection when approaching the vehicle. **a.** Look for readily apparent damage. **b.** Look beneath the vehicle for spots that indicate leakage. **c.** Look for unusual leaning that indicates chassis defects						
	Front Left- and Right-Side Inspection						
4	Check the side of the cab and mirrors for any damage.						
5	Check the cab doors to ensure that they are in proper working order. a. Ensure that the doors close tightly. b. Ensure that the latch works as it was designed and that it operates with little or no play. c. Check that all door and window glass is intact and clean.						
6	Check that all steps, platforms, handrails, and mirrors are securely mounted and not deformed.						
7	Check that the equipment in the rear portion of the cab						

	is all onboard and complete, in proper working order, and securely stowed.						
	Apparatus Body						
8	Note any obvious body damage that has occurred since the previous inspection.						
	Tires and Wheels						
9	Check the condition of the tire/wheel assemblies on the side of the vehicle. a. Check that there are no missing, bent, or broken studs, lugs, or clamps. b. Ensure that lug nuts are tight. c. Check that there are no cracks or damage that would prevent the sealing of the tire to the rim. d. Check to see that front splash guards (mud flaps) are in place and secure. e. Check for unusual accumulations of brake dust, metal flake, and/or corroded metal flake accumulations or trails on the wheel or adjacent areas. f. Check that there are no trails of fluid on the wheel or tire indicating axle gear oil leaks.						
10	Visually inspect the suspension components found behind the front left and right wheels. a. Look for defects involving the torsion bars, springs, spring hangars, shackles, U-bolts, shock absorbers or mounting hardware. b. Check for springs with cracked, otherwise broken, or missing leaves. c. Check that there is no spring deflection when the vehicle is on a level surface.						
11	Check that front tires are properly inflated using pressure gauge and checking the reading against pressure recommended by the apparatus manufacturer on the federally required apparatus GVWR sticker						
12	Check the front tire valve stems and valve stem caps for cracks or looseness.						
13	Check the front tires. a. Check for proper tire type as listed on the sidewall of the tire and federally required GVWR sticker. b. Inspect the tread. Verify tread does not show excessive wear or damage. c. Check that there is no tread separation or excessive sidewall wear.						

	d. Be sure that there are no cuts or objects impaled in the tire. e. Check for bulges greater than 3/8 of an inch (10 mm) per NFPA® 1911 (2012). f. Check retread tires for tread separation. g. Make sure the splash guards are in place, properly attached, and in good condition.						
	Equipment Compartments						
14	Check all equipment compartments. a. Check that all equipment that is supposed to be in each compartment is actually there, properly stowed, and in operating condition. b. Check that compartment lights are operating. c. Ensure that compartment and equipment it contains are neat and clean. d. Make sure that each compartment door opens and closes properly and latches tightly.						
	Hose						
15	Examine any hose stored in or on the side of the vehicle. Ensure that the hose is secure and properly stowed.						
16	Check any auxiliary extinguishing agent systems. a. Check agent level. b. Check propellant pressure.						
	Exterior Equipment and Condition						
17	Check that any equipment stored on the exterior of the vehicle is in good physical condition and is properly stowed.						
18	Ensure that the reflective striping on the side of the apparatus is in good condition.						
19	Second Firefighter: Operate the side warning light switch in the cab, calling out to inspecting firefighter when activated.						
20	Check the side-mounted warning lights. Make sure that they are functioning properly, that all bulbs are working, and that lenses are in place and not cracked or broken.						
	Battery Condition (If stored on apparatus side or rear)						
21	If the apparatus has unsealed batteries, carefully remove the caps and check the electrolyte (water) level.						
22	Add distilled water, or water recommended by the manufacturer, to cells if the electrolyte level is low.						

23	Check all battery connections. a. Tighten any loose connections. b. Clean away any corrosion around terminals with a mixture of baking soda and water poured on the connections, scrubbed with a wire brush, and rinsed with clear water. If batteries are washed, dry batteries to prevent parasitic current. c. Clean road debris, dirt, dust, moisture from the top of the batteries to prevent any 'bleed' of current from terminal to terminal that can result in electronics issues.						
24	Check the battery tie-downs, ensuring that the battery is held firmly in place.						
25	Check the built-in battery charger if the apparatus is so equipped, ensuring proper operation						
26	Check the rear bumper area for any undocumented damage.						
27	Second Firefighter: Operate all rear running and emergency light switches in the cab one at a time, calling out switch type to inspecting firefighter.						
28	Check all running and emergency lights as they are activated. Be sure that they are functioning properly, that all bulbs are working, and that lenses are in place and not cracked or broken. Check brake lights and reverse lights.						
29	Check that the rear compartment doors open and close properly.						
30	Check that any equipment stored on the outside of the rear of the apparatus is in proper working order and is securely stowed.						
31	Ensure that any towing attachments are free of defects.						
32	Test and inspect all on-board hydraulic, pneumatic and electric racks or devices for proper operation.						
	Top Inspection						
33	Check rear steps, handrails, and platforms for security and damage.						
34	Check foam tank level.						
35	Check water tank level.						
36	Check auxiliary tank level, if so equipped.						
37	Check roof mounted piping.						
38	Check roof mounted equipment.						
39	Check lights and light towers for damage and proper function.						
40	Check siren for damage and proper function.						
41	Check roof turret for damage and proper function.						
42	Visually check roof for damage or corrosion.						
	Opposite Side Inspection						

43	Repeat Step 20 through Step 4 as applicable (from rear corner to front corner) for the side that has not yet been inspected.						
	Front Inspection						
44	Approach the front of the vehicle noting any body damage not present in previous inspections.						
45	Look beneath the vehicle noting any obvious damage to brakes, front axle, steering system, or pump piping (if present). Note any loose, bent, worn, damaged, or missing parts.						
46	Check that the windshield is free of defects and clean.						
47	Check that the wiper blades are held appropriately against the windshield, are intact, and are in good condition.						
48	Start the apparatus engine, or hook the apparatus to the electrical charging system.						
49	Second Firefighter: Operate all front running and emergency light switches in the cab one at a time, calling out switch type to inspecting firefighter.						
50	Check all front running and emergency lights as they a reactivated, ensuring that they are functioning properly, all bulbs are working, and that lenses are in place and not cracked or broken.						
51	Visually inspect any audible warning devices on the front of the vehicle (electric siren speakers, mechanical sirens, and air horns).						
	Emergency Equipment on Front Bumper Area						
52	Check bumper turret (if so equipped). a. Check that air/hydraulic lines are intact. b. If equipped with a low attack nozzle, make sure that it freely goes up and down in a normally functioning manner.						
53	Check that any front-loaded hose is properly loaded and secure for road travel. a. Check that nozzles are clean and in place. b. If a variable pattern/flow nozzle is used; the pattern adjustment moves freely and the bail opens and closes with ease.						
	Documentation						
54	Document the inspection and any maintenance actions, and report any deficiencies per local policy.						
Final Test Result for Entire Task							

Evaluator signature & comments, Test #1	Evaluator signature & comments, Retest #1	Evaluator signature & comments, Retest #2

Evaluator signature	**Date**	**Evaluator signature**	**Date**	**Evaluator signature**	**Date**
Candidate signature & acknowledgement, Test #1		**Candidate signature & acknowledgement, Retest #1**		**Candidate signature & acknowledgement, Retest #1**	
By my signature below I acknowledge I have read and understood the evaluation results and evaluator comments		**By my signature below I acknowledge I have read and understood the evaluation results and evaluator comments**		**By my signature below I acknowledge I have read and understood the evaluation results and evaluator comments**	
Candidate signature	**Date**	**Candidate signature**	**Date**	**Candidate signature**	**Date**

Form DFS-SS-1 10/12