



Skill FF2-40: Clean, Inspect, and Maintain Power Tools and Equipment

Candidate #: _____

INSTRUCTIONS TO THE CANDIDATE

Wearing appropriate PPE and provided the necessary equipment, demonstrate cleaning, inspecting, and maintaining the tool or equipment for later use.

Skill FF2-40 - NFPA 5.5.4 – Chapter 21, IFSTA Essentials 7 th Edition	1 st	2 nd
Tool Cleaning		
1. Clean tools according to manufacturer’s guidelines.		
2. Dry tools thoroughly.		
Tool Inspection		
3. Inspect tools for damage or wear.		
4. Inspect parts for tightness and function.		
a. Ensure all guards are in place and functional.		
b. Check all electrical components for cuts or other damage.		
5. Place any tools that require maintenance on a salvage cover or clean surface and tag them out of surface.		
Tool Maintenance		
6. Maintain cutting blades and replace blades that are damaged or worn.		
7. Check fuel level and fill with correct fuel.		
8. Check oil level and fill with correct oil.		
9. Start all power tools and verify their operation. Turn off power tools after operation is verified.		
10. Tag tools that must be placed out of service. (If necessary)		
11. Record cleaning, inspection, and maintenance according to local SOPs.		
YELLOW BOLD indicate a CRITICAL step and any unsafe acts constitutes a failure of station.		
	Points needed: 9/12	
	Performed Safely	Y/N Y/N

Evaluator comments:

 _____ (cont. on back page)

Test Date: _____ Pass: _____ Fail: _____
 Location: _____ Retest Pass: _____ Fail: _____

Evaluator: _____
 Print Name Signature

Retest Evaluator 1: _____
 Print Name Signature

Retest Evaluator 2: _____
 Print Name Signature



Skill FF2-41: Inspect and Maintain a Portable Generator and Lighting Equipment

Candidate #: _____

INSTRUCTIONS TO THE CANDIDATE

Wearing appropriate PPE and provided the necessary equipment, demonstrate servicing and maintaining a generator and lighting equipment.

Skill FF2-41 - NFPA 5.5.4 – Chapter 21, IFSTA Essentials 7 th Edition	1 st	2 nd
1. Inspect and maintain spark plugs.		
a. Inspects for damage, visible corrosion, carbon accumulation, or cracks in the porcelain.		
b. Ensure that the spark plug is tight.		
c. Replace spark plugs if damaged or if the service manual recommends replacement.		
2. Inspect the carburetor and identify signs of fuel leaks.		
3. Check the fuel level and refill as needed.		
4. Check the oil level and refill as needed.		
5. Start the generator and run tests as required by the service manual.		
6. Inspect and maintain lighting equipment.		
a. Inspect electrical cords for damaged insulation, exposed wiring, and missing or bent prongs.		
b. Connect each light to the generator one light at a time.		
c. Replace lightbulbs as necessary and discard faulty bulbs in an approved manner.		
7. Record cleaning, inspection, and maintenance according to local SOPs.		
YELLOW BOLD indicate a CRITICAL step and any unsafe act constitutes a failure of skill.		

Points needed:	8/11	
Performed Safely	Y/N	Y/N

Evaluator comments:

(cont. on back page)

Test Date: _____

Pass: _____ Fail: _____

Location: _____

Retest Pass: _____ Fail: _____

Evaluator: _____
 Print Name

 Signature

Retest Evaluator 1: _____
 Print Name

 Signature

Retest Evaluator 2: _____
 Print Name

 Signature



Skill FF2-42: Service Test a Fire Hose

Candidate #: _____

INSTRUCTIONS TO THE CANDIDATE

Wearing appropriate protective clothing and given the necessary equipment and pumper, demonstrate the proper testing/tagging of hose and recording the test results.

Skill FF2-42 - NFPA 5.5.5 – Chapter 21, IFSTA Essentials 7 th Edition	1 st	2 nd
1. Check each hose gasket. Connect hose sections into test lengths of no more than 300 feet each. Tighten the connections between the sections.		
2. Connect an open test gate valve to each discharge valve. Tighten each connection.		
3. Connect a test length to each test gate valve. Tighten each connection.		
4. Tie rope, hose rope tool, or hose strap to each test length of hose 10 to 15 inches from the test gate valve connection.		
5. Secure the other end of the rope to the discharge pipe or other nearby anchor.		
6. Attach a shutoff nozzle to the open end of each test length.		
7. Fill each hose line with water to a pump pressure of 50 psi or to hydrant pressure.		
8. Open the nozzles as the hose lines are filling to discharge the air. Close nozzles.		
9. Make a chalk or pencil mark on the hose jackets against each coupling.		
10. Check that hose is free of kinks and twists and that no couplings are leaking. Any length found to be leaking from behind the coupling should be taken out of service and repaired before testing.		
11. Retighten any couplings that are leaking at the connections. If the leak cannot be stopped by tightening the couplings, depressurize, disconnect the couplings, replace the gasket, and start over at step 6.		
12. Close each hose test gate valve.		
13. Increase pump pressure to the test pressure required by NFPA 1962.		
14. Monitor connections for leakage at test pressure for 3 minutes. Inspect all couplings to check for leakage (weeping) at the point of attachment.		
15. Slowly reduce pump pressure. Close each discharge valve. Disengage the pump.		
16. Open each nozzle slowly to bleed off pressure in the test lengths.		
17. Break all hose connections and drain water from the test area.		
18. Observe marks placed on the hose. If a coupling has moved during the test, tag the hose section for recoupling. Tag all hose that has leaked or failed in any other way.		
19. Record the test results according to local SOPs.		
YELLOW BOLD indicate a CRITICAL step and any unsafe act constitutes a failure of skill.		

Points needed: 14/19		
Performed Safely	Y/N	Y/N

Evaluator comments:

_____ (cont. on back page)

