



Student: \_\_\_\_\_ Roster #: \_\_\_\_\_

Evaluator: \_\_\_\_\_ Date: \_\_\_\_\_

### Skill Sheets 2-2.1, 2-3.1 and 5-7.1

NFPA Standard 1001, 2013 Edition JPR# 5.1.2

NFPA Standard 1001, 2013 Edition JPR# 5.3.1

NFPA Standard 1001, 2013 Edition JPR# 5.3.6

This is an enhanced skill sheet which contains department specific criteria exceeding state minimum standards.  
**The combined skills testing must be completed within 6:00 minutes.**

#### **Don, Doff, Inspect, and Prepare Structural Personal Protective Equipment for Reuse – Skill 2-2.1**

**Evaluator Instructions:** Only the donning of the protective gear will be timed. The student will not be allowed to review the performance steps at the time of testing. Student shall be dressed in station uniform to include: tee shirt, station pants, and boots with zippers.

**Equipment Needed:** Turnout pants and boots, coat, hood, gloves, and helmet.

**Task:** Don personal protective clothing within 60 seconds, then doff, inspect, and prepare it for reuse.

**Performance Outcome:** The student shall don personal protective clothing in 60 seconds ensuring all elements of the ensemble are worn according to manufacturers' guidelines, then doff and inspect, preparing them for reuse.

**Student Directive:** "Don personal protective clothing within 60 seconds. Indicate when you have completed all tasks and time will stop. Then doff your PPE and inspect and prepare them for reuse. Verbalize all elements of the inspection process."

#### **Don & Doff a Self Contained Breathing Apparatus**

**Evaluator Instructions:** For this skills evaluation, the candidate shall don an SCBA completing tasks 1 – 9 within 60 seconds. Once completed the candidate will then doff the SCBA and prepare it for reuse.

**Equipment Needed:** Full protective clothing and a SCBA.

**Task:** Don Self Contained Breathing Apparatus then doff and prepare it for reuse.

**Performance Outcome:** The candidate shall don a SCBA verifying activation and operation of the unit within 60 seconds then doff the SCBA and prepare it for reuse.

**Candidate Directive:** "Demonstrate donning a SCBA within 60 seconds, then doff the SCBA and prepare it for reuse."





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Skill Sheets #2-2.1, #2-3.1 and #5-7.1

4.	Verify activation and operation of pass device				
5.	Don face piece				
6.	Check face piece seal and operation of exhalation valve				
7.	Connect face piece to air supply/regulator and check function by taking several normal breaths				
8.	Have all personal protective clothing correctly in place				
9.	Completes all elements within 60 seconds 1 <sup>st</sup> Time: _____ 2 <sup>nd</sup> Time: _____				
<b>LIFT, CARRY, RAISE, AND CLIMB AN EXTENSION LADDER – Skill 5-7.1</b>					
	Select from one of the following: <input type="checkbox"/> High Shoulder <input type="checkbox"/> Low Shoulder <input type="checkbox"/> Ventilation <input type="checkbox"/> Rescue <input type="checkbox"/> Entry into a window <input type="checkbox"/> Work with a hoseline no entry <input type="checkbox"/> Roof access				
1.	Select the proper length ladder for the designated task				
2.	Lift and carry the ladder utilizing the high or low shoulder carry single firefighter method with proper verbal commands				
3.	Visually check work area for hazards and state if area is safe or if hazards exist				
4.	Spot and raise ladder upright				
5.	Extend and secure fly				
6.	Lower ladder against stable wall or surface				
7.	Tie off halyard (if necessary)				
8.	Climb ladder safely to the tip and descend ladder safely				
9.	Complete all elements within 6:00 minutes 1 <sup>st</sup> Time _____ 2 <sup>nd</sup> Time _____				



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	<b>DOFF SCBA – Skill 2-3.1</b>	<del> </del>	<del> </del>	<del> </del>	<del> </del>
1.	Removes SCBA				
2.	Close cylinder valve completely				
3.	Bleed air from high and low pressure hoses. Shut off PASS device				
4.	Check air cylinder pressure and replace cylinder if less than 90% of rated capacity				
5.	Return all straps, valves, and components, preparing SCBA for reuse				
	<b>DOFF PPE – Skill 2-2.1</b>	<del> </del>	<del> </del>	<del> </del>	<del> </del>
1.	Remove protective clothing				
2.	Inspect all elements of PPE for damage and need for cleaning <ul style="list-style-type: none"> <li><input type="checkbox"/> Helmet</li> <li><input type="checkbox"/> Turnout coat and pants</li> <li><input type="checkbox"/> Hood</li> <li><input type="checkbox"/> Boots</li> </ul>				
3.	Clean equipment as needed and remove damaged equipment from service and report to officer, if applicable				
4.	Place clothing in a ready state				
Retest Approved By:		Retest Evaluation:			





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First Test		Retest	
P	F	P	F

Engine #: \_\_\_\_\_

Student: \_\_\_\_\_ Roster #: \_\_\_\_\_

Evaluator: \_\_\_\_\_ Date: \_\_\_\_\_

**Mobile Pumping Model 14 / 15**

**Equipment Needed:** A CAL FIRE Type 3, Model 14 / 15 fire engine, hose, nozzles, appliances, and wildland PPE.

**Task:** Produce a hand stream by engaging the pump, setting all pressure control and apparatus safety devices, achieving and maintaining the flow rate of the nozzle, while continuously monitoring the assistant and the apparatus for potential problems.

**Performance Outcome:** Safely and effectively mobile attack while driving in 4WD-Low with assistant using bumper-line.

**Candidate Directive:** Pump a 1 ¼- or 1 ½-inch attack line 25-50 ft. in length flowing 60 GPM from the onboard water tank while mobile attacking within :75 seconds (1 minute and 15 seconds).

No.	Task Steps	First Test		Retest	
		P	F	P	F
	Evaluator directs Student to respond to a vegetation fire				
1.	Headlights on, Code 3 lights on, seatbelts on, windows rolled up				
2.	Set transmission to highest gear and follow evaluator's directions to scenario location				
3.	Correctly spot engine, set transmission in Neutral, and apply spring brake				
	<b>Time Starts</b>				
4.	Detailed safety briefing: Define ACTION, L.C.E.S., PPE				
5.	Ensure engine is in Pressure Mode				
6.	Adjust swash plate to 100 psi +/- 20 psi				
7.	Pressure relief valve on; pressure relief valve set				
8.	Engage front axle and set transfer case to Low (if equipped with 4WD)				
9.	Signal assistant to establish an anchor point; state: <b>Anchor point is established</b>				
	<b>Time Stops</b>				



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No.	Task Steps	First Test		Retest	
		P	F	P	F
10.	Ensure 100 +/- 20 psi, set transmission in 1 <sup>st</sup> gear, release spring brake				
11.	Mobile attack driving: Maintain 100 +/- 20 psi, check assistant's progress, check mirrors, repeat				
12.	After 50 feet of driving, signal assistant to stop				
13.	Place transmission in neutral and apply spring brake				
14.	Reduce pump pressure; ensure pressure is zero (signal assistant to open valve if needed)				
15.	Shut off pressure relief valve				
16.	Signal assistant to re-bed hose				
17.	Disengage front axle, return transfer case to High (if equipped with 4WD), and back-up (per CAL FIRE Policy) to unlock front axle				
18.	Tasks #4-9 performed within the allotted time of :75 seconds (1 minute and 15 seconds)				
19.	Complete within :75 seconds (1 minute, 15 seconds) 1 <sup>st</sup> Time _____ 2 <sup>nd</sup> Time _____				

Evaluator Comments:	Retest Evaluator Comments:

Evaluator	Date	Retest Evaluator	Date
Student	Date	Retest Student	Date



First Test		Retest	
P	F	P	F

Engine #: \_\_\_\_\_

Student: \_\_\_\_\_ Roster #: \_\_\_\_\_

Evaluator: \_\_\_\_\_ Date: \_\_\_\_\_

### Mobile Pumping Model 34 / 35

**Equipment Needed:** A CAL FIRE Type 3, Model 34/35 fire engine, hose, nozzles, appliances, and wildland PPE.

**Task:** Produce a hand stream by engaging the pump, setting all pressure control and apparatus safety devices, achieving and maintaining the flow rate of the nozzle, while continuously monitoring the assistant and apparatus for potential problems.

**Performance Outcome:** Safely and effectively mobile attack while driving in 4WD-Low with assistant using bumper-line.

**Candidate Directive:** Pump a 1 ¼- or 1 ½-inch attack line 25-50 ft. in length flowing 60 GPM from the onboard water tank while mobile attacking within :75 seconds (1 minute, 15 seconds).

No.	Task Steps	First Test		Retest	
		P	F	P	F
	Evaluator directs Student to respond to a vegetation fire				
1.	Headlights on, Code 3 lights on, seatbelts on, windows rolled up				
2.	Set transmission to highest gear and follow Evaluator's directions to scenario location				
3.	Correctly spot engine, set transmission in Neutral, and apply spring brake				
	<b>Time Starts</b>				
4.	Detailed safety briefing: define ACTION, L.C.E.S., PPE				
5.	Auxiliary Pump on, ensure glow plug light turns off (Prime Optional)				
6.	Start pump, increase pressure 100 psi +/- 20 psi				
7.	Engage front axle, set transfer case to Low (if equipped with 4WD)				
8.	Signal assistant to establish an anchor point; state: <b>Anchor point is established</b>				
	<b>Time Stops</b>				
9.	Ensure 100 +/- 20 psi, set transmission in 1 <sup>st</sup> gear, release spring brake				
10.	Mobile attack driving: Maintain 100 +/- 20 psi, check assistant's progress, check mirrors, repeat				





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No.	Task Steps	First Test		Retest	
		P	F	P	F
11.	After 50 feet of driving, signal assistant to stop				
12.	Set transmission in Neutral and apply spring brake				
13.	Reduce throttle to idle, ensure auxiliary pump pressure is zero (signal assistant to open valve if needed), then shut off pump				
14.	Signal assistant to re-bed hose				
15.	Disengage front axle, return transfer case to High (if equipped with 4WD), and back-up (per CAL FIRE Policy) to unlock front axle				
16.	Tasks #4-8 performed within the allotted time of :75 seconds (1 minute, 15 seconds)				
17.	Complete within :75 seconds (1 minute, 15 seconds) 1 <sup>st</sup> Time _____ 2 <sup>nd</sup> Time _____				

Evaluator Comments:	Retest Evaluator Comments:

Evaluator	Date	Retest Evaluator	Date
Student	Date	Retest Student	Date



First Test		Retest	
P	F	P	F

Engine #: \_\_\_\_\_

Student: \_\_\_\_\_ Roster #: \_\_\_\_\_

Evaluator: \_\_\_\_\_ Date: \_\_\_\_\_

<b>Pumping from Hydrant</b>					
<b>Equipment Needed:</b> A CAL FIRE Type 3, Model 34/35, hose, nozzles and appliances, and pressurized water source.					
<b>Task:</b> Produce a hand stream by engaging the pump, setting all pressure control and apparatus safety devices, achieving and maintaining the flow rate of the nozzle, while continuously monitoring the apparatus for potential problems.					
<b>Performance Outcome:</b> The student will demonstrate the ability to: operate a pumping apparatus at a hydrant; transfer power from apparatus engine to pump; operate pumper pressure control systems; operate the volume/pressure transfer valve (multistage pumps only); operate auxiliary cooling systems; make the transition between internal and external water sources; assemble hose lines, nozzles, valves, and appliances; and produce an effective stream within 3 minutes and 30 seconds.					
<b>Student Directive:</b> Pump a 1 ¼- or 1 ½-inch attack line 50 ft. in length flowing 95 GPM from the onboard water tank, establish a water supply from a hydrant, and transition from internal tank to external source within 3 minutes and 30 seconds.					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Position pumping apparatus at fire hydrant, set brake				
	<b>Time Starts</b>				
2.	Engage the pump. Instruct firefighter to pull the rear pre-connect				
3.	Position wheel chocks				
4.	Operate transfer valve as appropriate (multistage pumps only)				
5.	Operate pressure governor preset function. Pump pressure will increase to 100 psi				
6.	Ensure the firefighter has deployed hoselines and nozzles				
7.	Open desired discharge and fill hose. Confirm flow setting and nozzle function				
8.	Gradually adjust throttle to the correct discharge pressure – 150 psi (+/- 20 psi)				
9.	Establish water supply from hydrant. Return all tools to pump panel once supply line is charged				
10.	Safely remove kinks from hoselines (if present)				





First Test		Retest	
P	F	P	F

Engine #: \_\_\_\_\_

Student: \_\_\_\_\_ Roster #: \_\_\_\_\_

Evaluator: \_\_\_\_\_ Date: \_\_\_\_\_

<b>Pumping from Draft</b>					
<b>Equipment Needed:</b> A CAL FIRE Type 3, Model 34/35 fire engine, hose, nozzles and appliances, and static water source.					
<b>Task:</b> Produce a hand or master stream by priming the pump, engaging the pump, setting all pressure control and apparatus safety devices, achieving and maintaining the rate flow of the nozzle, while continuously monitoring the apparatus for potential problems.					
<b>Performance Outcome:</b> The student will demonstrate the ability to: operate a pumping apparatus at a static water source; transfer power from apparatus engine to pump; draft; operate pump control systems; operate the volume/pressure transfer valve (multistage pumps only); operate auxiliary cooling systems; make the transition between internal and external water sources; assemble hose lines, nozzles, valves, and appliances; and return engine to fire-ready conditions within 10 minutes.					
<b>Student Directive:</b> Establish a draft and pump a 1 3/4" or 1 1/2" hand or master stream 50 ft. in length flowing 95 GPM, and return engine to fire-ready conditions within 10 minutes.					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Position pumping apparatus at static water source, set brake – Time starts.				
2.	Position wheel chocks.				
3.	Close tank to pump valve.				
4.	Connect hard suction hose and strainer, position in water source.				
5.	Deploy and assemble hose lines, nozzles, and appliances.				
6.	Prime pump (no more than 30-45 seconds).				
7.	Operate transfer valve to volume position (multistage pumps only).				
8.	Engage the pump.				
9.	Correctly calculate desired discharge pressure - 100 psi (+ or – 20 psi).				
10.	Open desired discharge and fill hoses.				
11.	Gradually increase throttle to the correct discharge pressure - 150 psi (+ or – 20 psi).				
12.	Safely remove kinks from hose lines (if present).				



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No.	Task Steps	First Test		Retest	
		P	F	P	F
13.	Monitor for overheating and operate auxiliary cooling systems (if applicable).				
14.	Safely complete all task steps without damaging equipment.				
15.	Put engine back in service, fire ready. Time will stop when student and assistant are in cab with seat belt on.				
16.	Complete within 10 minutes Test Time: _____ Retest Time: _____				

Evaluator Comments:	Retest Evaluator Comments:

Evaluator	Date	Retest Evaluator	Date
Student	Date	Retest Student	Date