

# Klamath County Fire District 4

## Entry Level Firefighter Unit 11- Tools

### Individual Performance Standards

<b>DEPLOYING HOSE 2.</b>	
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<b>LOADING HOSE 3.</b>	
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<b>3.4</b>	<b>RESTORING 2½" HOSE ACCORDION LOAD</b>

The above Performance Standards must be completed in the presence of a Firefighter 1. Documentation should include the date and initials of the observer, and if appropriate, the time to took to perform the task.

# HOSE, HOSE LOADS, NOZZLES AND APPLICANCES – 2.1

## Fire Individual Performance Standard

**OBJECTIVE:** Identify and describe the different hose types and hose loads, nozzles and appliances used on the firefighting apparatus within your assigned station.

**EQUIPMENT:** All firefighting apparatus assigned to the station.

**NARRATIVE:** You must locate, identify, and describe each type of fire hose and the different hose loads as well as nozzles and appliances used on the apparatus within this station. Do you have any questions? You may begin.

**STANDARD:** You must perform all criteria listed below with 100% accuracy.

TASKS	Done	Not Done
1. Identify the booster or hard lines on all apparatus and describe inside diameter.		
2. Identify all locations 1½" hose is carried (or identify the fact that none is carried).		
3. Describe all hose loads that the 1½" hose is configured in.		
4. Identify all locations 1¾" hose carried.		
5. Describe all hose load that the 1¾" hose is configured in.		
6. Identify all locations 2½" hose carried.		
7. Describe all hose load that the 2½" hose is configured in.		
8. Identify all locations 4" hose carried.		
9. Describe all hose load that the 4" hose is configured in.		
10. Identify locations of all nozzles carried.		
11. Describe all nozzles types and uses.		
12. Identify locations of all appliances carried.		
13. Describe all appliances types and uses.		

Comments:

## MAKE & BREAK – 2.2

### Fire Individual Performance Standard

**OBJECTIVE:** Couple and uncouple all fittings regularly used on the fire ground as a part of one evolution.

**EQUIPMENT:** Structure fire PPE not including SCBA, a Hydrant and Hydrant Wrench, hydrant steamer to 4" adapter, a short or pony section of 4" hose, 4" to 2½" adapter, 50' section of 2½" hose, 2½" to 1½" gated wye, 50' section of 1½" or 1 ¾" hose and one 1½" nozzle.

**NARRATIVE:** You must begin at the hydrant, and work your way down the hoses and connect all fittings together until you reach the nozzle. The hoses are laid out from large diameter to the small with connecting appliances placed near where needed. Once the nozzle is attached, you must immediately uncouple the nozzle and place it on the ground. Then uncouple all of the fittings in the reverse order so that you end at the hydrant. Your time starts when you touch the hydrant wrench to the hydrant. Time stops when the hydrant wrench touches the stem nut of the hydrant after completing all the steps and tightening the hydrant caps. Do you have any questions? You may begin.

**STANDARD:** You must demonstrate coupling and uncoupling fire hose, appliances, and nozzles within 3 minutes with 100% accuracy.

**NOTE:** *The following events must result in a 5 second penalty applied to the final time: dropping hydrant wrench or wrench falling from hydrant stem nut, not tightening the couplings, throwing appliances.*

TASKS	Done	Not Done
1. Open the steamer cap and place the hydrant wrench on the stem nut of the hydrant.		
2. Attach the Steamer to Storz adapter to the steamer port.		
3. Attach the 4" hose to the adapter.		
4. Move to the other end of 4" hose and attach the 4" to 2½" adapter to the 4" hose.		
5. Attach the female of the 2½" hose to the 4" to 2½" adapter.		
6. Move to the other end of 2½" hose and attach the male end to the gated wye.		
7. Attach the female end of the 1½" hose to a 1½" port of the gated wye.		
8. Ensure that the gate for the attached port is open and the empty port is closed.		
9. Move to the other end of 1½" and attaches the nozzle to the male end of the 1½" hose.		
10. As soon as the nozzle is tight, remove it and place it back in the proper location.		
11. Repeat the above steps in descending order.		
12. Replaces and tightens the hydrant caps		
13. Time stops when the hydrant wrench touches the hydrant stem nut.		

Number of Attempts: \_\_\_\_\_ Slowest Time: \_\_\_\_\_ Fastest Time: \_\_\_\_\_

Comments:

## DEPLOYING PRE-CONNECT – 2.3

### Fire Individual Performance Standard

**OBJECTIVE:** Deploy the rear pre-connect. (2½" or 1¾")

**EQUIPMENT:** Pumping apparatus with pre-connected hose load, firefighters in full PPE with SCBA.

**NARRATIVE:** You must pull the \_\_\_\_\_ (2½" or 1¾") pre-connect, advance it to \_\_\_\_\_ (pre-determined target), and then open the nozzle, adjust the stream and bleed the air from the hose line. You must deploy the hose line so it will charge without kinks that could affect the hose stream. Time starts when you touch the hose load and time will stop when you have adjusted your nozzle and bled the initial air from the line. Do you have any questions? You may begin.

**STANDARD:** Complete all criteria below within 1 minute and with 100% accuracy.

<b>TASKS</b>		<b>Done</b>	<b>Not Done</b>
1	Grasps the nozzle (or nozzle loop on crosslay).		
2	Pivots away from the apparatus and places hose over the left shoulder with nozzle resting against the chest or stomach.		
3	Pivots toward the apparatus, placing the right hand through both hose loops, and grasping the small loop with the right hand.		
4	Walks away from the apparatus until the first loop comes tight, the hose should be clear of the hose bed.		
5	When the first loop draws tight, drops the small first loop from the right hand and continues to advance the hose, holding the large loop in the right hand and the nozzle on chest.		
6	When second loop draws tight, drops the large second loop and continues to advance the hose toward target.		
7	Signals Apparatus Operator to charge hose line and prepares for hose line to be charged by shaking out the obvious kinks.		
8	Opens nozzle to adjust stream, clears the air, then closes nozzle.		

Number of Attempts: \_\_\_\_\_ Slowest Time: \_\_\_\_\_ Fastest Time: \_\_\_\_\_

Comments:

**Fire Individual Performance Standard – 2.4**

**DEPLOYING A PRECONNECT WITH SHORT PULL**

**OBJECTIVE:** Deploy a 1¾" hose line from the preconnect bed. (150' load only)

**EQUIPMENT:** Pumping apparatus, full PPE with SCBA, properly loaded drag load preconnect.

**NARRATIVE:** You must pull the 150' preconnect pre-connect, advance it a short distance, to \_\_\_\_\_ (*target*), and then open the nozzle, adjust the stream and bleed the air from the hose. You must deploy the hoseline using the short pull method, and so it will charge without kinks that could affect the hose stream. Time starts when you touch the hose load and time will stop when you have adjusted your nozzle and bled the initial air from the line. Do you have any questions? You may begin.

**STANDARD:** You must demonstrate the following criteria within 1 minute and with 100% accuracy.

**NOTE:** *Although it can be done on either cross lay, this performance standard is best designed for 150' cross lay. If you are pulling a short pull, you don't want 200' of line anyway.*

TASKS	Done	Not Done
1. Faces apparatus and grasps the nozzle with the right hand.		
2. Grasps big loop first and then the small loop with the left hand.		
3. Pulls preconnect by walking backwards away from apparatus until the first loop comes tight.		
4. Throws the small loop hard with a large swinging arm movement to the left, and large loop hard with a large swinging arm movement to the right, creating a "Z" pattern with the hose.		
5. Signals apparatus operator to charge hose line and prepares for hose line to be charged by shaking out any obvious kinks.		
6. Open nozzle to adjust stream and clear the air, then close nozzle.		

Number of Attempts: \_\_\_\_\_ Slowest Time: \_\_\_\_\_ Fastest Time: \_\_\_\_\_

Comments:

## DEPLOYING APARTMENT BUNDLE – 2.5

### Fire Individual Performance Standard

**OBJECTIVE:** Deploy the High Rise Pack Apartment Bundle from a predetermined 2 ½” port.

**EQUIPMENT:** Pumping apparatus, apartment bundle, drill site suitable for deployment including a 2 ½” port capable of flowing water, full PPE with SCBA.

**NARRATIVE:** You must carry the apartment bundle to the \_\_\_\_\_ (*target*) location, and deploy it for use in fire ground operations. Time starts when you touch the hose load and time will stop when you have adjusted your nozzle and bled the initial air from the line. You will be given an assistant to operate the gated wye. Do you have any questions? You may begin.

**STANDARD:** Place an attack line from the apartment bundle into operation with 100% accuracy within 4 minutes.

**NOTE:** *A scenario must be used to simulate the extending of a 2 ½” attack line or attaching to a standpipe. The scenario that is used is at the discretion of the evaluator. Some preparation must be done for either. During the procedure, a second firefighter must be used to open gated wye at the 2 ½” port.*

TASKS	Done	Not Done
1. Locates apartment bundle on apparatus.		
2. Extends apartment bundle partially out of the bed, place right shoulder under the bundle while facing away from the hose.		
3. Walks away from the apparatus pulling the bundle the rest of the way out of the hose bed		
4. Carries bundle to the desired deployment area.		
5. Drops the load and releases the bundle cover straps and connects the gated wye to water source.		
6. Closes or ensures the valves are closed on gated wye.		
7. Advances one of the 100’ attack lines to the designated area and signals for water.		
8. The second firefighter charges the line appropriate hose line.		
9. Opens nozzle slowly and adjusts pattern, expels air, and then close nozzle.		

Number of Attempts: \_\_\_\_\_ Slowest Time: \_\_\_\_\_ Fastest Time: \_\_\_\_\_

Comments:

## DEPLOYING 1 3/4" UP A LADDER – 2.6

### Fire Individual Performance Standard

**OBJECTIVE:** Safely deploy an uncharged 1 3/4" hose line up a ladder then charge hose line and work from ladder.

**EQUIPMENT:** Pumping apparatus equipped with ladders, pre-connect and full structure fire PPE with SCBA.

**NARRATIVE:** The 1 3/4" hose line has been deployed to the base of the ladder, you must now advance the line up the ladder to the 2nd floor, tie off the hose and flow water. Time starts when you touch the hose load and time will stop when you have adjusted your nozzle and bled the initial air from the line. Do you have any questions? You may begin.

**STANDARD:** You must complete the criteria below within 2 minutes with 100% accuracy.

**NOTE:** *The ladder is already placed at the proper location and at the correct angle; pre-connect is already deployed to the bottom of the ladder. Additional firefighter must be used to heel the ladder.*

TASKS	Done	Not Done
1. Gather enough hose near the bottom of the ladder to be able to advance hose up ladder and not create a hazardous angle for pulling.		
2. Drape nozzle over shoulder so that the nozzle rests near the small of the back of the firefighter climbing.		
3. Ensure the ladder is heeled correctly and climb ladder to 2nd floor.		
4. Lock in with leg on a rung and prepare work from ladder.		
5. Secure hose to ladder rung using webbing or hose rope tool; tie off hose with a hitch that allows the hose to expand when charged.		
6. Signal apparatus operator to charge the line.		
7. Open nozzle slowly and bleed off air then adjust nozzle and shut the nozzle.		

Number of Attempts: \_\_\_\_\_ Slowest Time: \_\_\_\_\_ Fastest Time: \_\_\_\_\_

Comments:

## RESTORING THE APARTMENT BUNDLE – 3.1

### Fire Individual Performance Standard

**OBJECTIVE:** Restore the Apartment Bundle so it can be effectively stored and deployed.

**EQUIPMENT:** Apartment Bundle straps, Spanner wrench, light weight gated wye, two light weight low pressure high gallon nozzles, 200' of 1¾" hose, site suitable for restoring the bundle.

**NARRATIVE:** You will be given all of the equipment and supplies to make up a High Rise Pack. You must build the bundle and strap the equipment together in a manor that will allow storage and deployment of the bundle. This is not a timed event, you will be given additional firefighters to assist you but you must direct them as if you were teaching them. Do you have any questions? You may begin.

**STANDARD:** Restore the High Rise Pack with 100% accuracy.

**NOTE:** *Additional firefighters may be used to assist the candidate but they must receive direction from the one being evaluated.*

TASKS	Done	Not Done
1. Finds suitable location such as a flat surface next to a wall to stack against so that the bundle remains up-right.		
2. Ensures the nozzle is shut then connects the nozzle to the hose and places it on top a flake of hose approximately 6' long.		
3. Stacks additional flakes of hose on top of the nozzle, protecting the nozzle inside the stack.		
4. Continues to stack 100' of 1¾" hose. Staggers the lengths of folds at each end and avoids placing the coupling at the folds.		
5. Leaves the final female coupling 6" past the end of the bundle at the opposite end from the nozzle.		
6. Stacks second 100' attack line right next to the first stack in exactly the same way.		
7. Secure the straps around the load.		
8. Attaches both ends of both stacks to the gated wye.		
9. Lays the gated wye back on top of the bundle so the gate handles are up and the 2½" coupling is pointing toward the nozzle end of the bundle.		
10. Attaches the straps on the bundle to the gated wye handles.		

Number of Attempts: \_\_\_\_\_

Comments:



## RESTORING THE PRE-CONNECT – 3.2

### Fire Individual Performance Standard

**OBJECTIVE:** Restore the pre-connect so it can be effectively deployed.

**EQUIPMENT:** Pumping apparatus equipped with rear pre-connect beds, 150' of 2 ½" or 200' of 1 ¾" hose depending on the bed to be loaded, appropriate nozzle and PPE.

**NARRATIVE:** You will be given all of the equipment to make up a pre-connect. You must reload the bed in a manor that will allow proper storage and easy deployment of the load. This is not a timed event, you will be given additional firefighters to assist you but you must direct them as if you were teaching them. Do you have any questions? You may begin.

**STANDARD:** Restore the hose load with 100% accuracy.

**NOTE:** *Additional firefighters may be used to assist the candidate but they must receive direction from the one being evaluated.*

TASKS	Done	Not Done
1. Places at least one firefighter on each side of the hose bed and at least one on top to facilitate loading; the candidate must be in one of these positions. There may be additional people to help.		
2. Connects the female coupling of the first section of discharge (short section attached) outlet and loads hose in flat load.		
3. Stacks flares of hose back and forth across the bed, separating the hose into enough stacks to cover the entire area of the hose compartment.		
4. Ensures the lengths of end folds are staggered, and avoids placing the coupling at the folds.		
5. Makes a small loop near the end of the first hose section, loop extends about 8"-10" out of compartment. (Crosslay on the left side of the load, on both sides of engine)		
6. Continues to load hose in a flat load and avoids placing the couplings at the point of fold by using "Dutchman" folds.		
7. Makes a larger loop near the beginning of the last hose section, loop extends out about 18"-20". (Crosslays on the right side of the load, on both sides of engine)		
8. Continues to flat load hose in the bed until the last male coupling is reached.		
9. Ensures the nozzle bale is shut and attaches nozzle to the end of the last section of hose, then places the nozzle so it is accessible (front crosslay from the Driver's side) or (rear crosslay from the officer's side).		
10. *Crosslay only* Extends a "nozzle loop" out on the opposite side for accessing the nozzle from the other side of the engine.		
11. Tucks in all loops and secures the hose bed cover.		

Number of Attempts: \_\_\_\_\_

Comments:

# RESTORING THE 4" FLAT LOAD WITH HYDRANT BELT – 3.3

## Fire Individual Performance Standard

**OBJECTIVE:** Restore the 4' flat load with hydrant belt so it can be effectively deployed.

**EQUIPMENT:** Pumping apparatus equipped with 4" lay bed, 4' hose, hydrant belt and PPE.

**NARRATIVE:** You will be given all of the equipment to make 4" flat load with hydrant belt. You must reload the 4" hose in a manor that will allow proper storage and easy deployment of the load. This is not a timed event, you will be given additional firefighters to assist you but you must direct them as if you where teaching them. Do you have any questions? You may begin.

**STANDARD:** Restore the hose with 100% accuracy.

**NOTE:** *Additional firefighters may be used to assist the candidate but they must receive direction from the one being evaluated. Directions start with an empty bed, if bed is not empty for performance standard, use all that apply.*

TASKS	Done	Not Done
1. Starts by placing the first coupling of the first 100' section in the portion of the hose bed closest to the cab.		
2. Loads hose in a flat load working from one side of the bed to the other and back again.		
3. Double stacks the flakes on the sides of the hose bed to allow for uniform height.		
4. Stacks hose in staggering the lengths nearest the tailboard		
5. Allows space for the couplings in the portion of the bed nearest the cab.		
6. Uses appropriate hose loading techniques (Dutchman, etc.) to ensure all coupling are stacked in the space provided.		
7. Ensures that all couplings will deploy without flipping or twisting in the bed.		
8. Loads almost the entire 800' of hose.		
9. Places the last coupling inside a loop approximately 8 feet long.		
10. Secures the hydrant belt around the hose and coupling		
11. Loads the hose so the coupling and loop are accessible from the tailboard.		
12. Secures the hose bed cover.		

Number of Attempts: \_\_\_\_\_

Comments:

## RESTORING 2½" HOSE ACCORDIAN LOAD – 3.4

### Fire Individual Performance Standard

**OBJECTIVE:** Restore the 2 ½” flat load so it can be effectively deployed.

**EQUIPMENT:** Fire department pumping apparatus with reverse bed, 750’ of 2 ½” hose, one double male and one double female.

**NARRATIVE:** You will be given all of the equipment to make up a reverse accordion load. You must reload the 2 ½” hose in a manner that will allow proper storage and easy deployment of the load. This is not a timed event, you will be given additional firefighters to assist you but you must direct them as if you were teaching them. Do you have any questions? You may begin.

**STANDARD:** Restore the hose with 100% accuracy.

**NOTE:** *Additional firefighters may be used to assist the candidate but they must receive direction from the one being evaluated. Directions start with an empty bed, if bed is not empty for performance standard, use all that apply.*

TASKS	Done	Not Done
1. Starts with the male coupling of a 2 ½” hose.		
2. Places the male coupling just short of the end of the bed on the left hand side of the hose bed toward the cab.		
3. Lays the hose flat against the left hose bed partition.		
4. Loads hose in a flat load staggering folds approximately 4 inches apart at both ends.		
5. Double stacks the flakes on the sides of the hose bed to allow for uniform height.		
6. Uses appropriate hose loading techniques (Dutchman, etc.) to ensure all couplings do not flip or spin when the hose is being laid.		
7. Finish the load with the female coupling accessible from the tailboard.		

Number of Attempts: \_\_\_\_\_

Comments: