

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 15-2

SKILL SHEET 15-2		Coupling a Hose: Two Firefighters	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of hose • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Working as a member of a team, the student will couple a hose.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	One student takes the male coupling, the other takes the female coupling.		
	Now facing each other, the firefighter with the male coupling holds the male shanks rigid at waist height with higbee notch facing upward.		
	The firefighter with the female coupling then aligns higbee indicator with the male coupling and connects the two, turning the female coupling clockwise until tight.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
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SKILL SHEET 15-4		Uncoupling a Hose: Two-Firefighter Stiff-Arm Method	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of hose • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the stiff-arm method for uncoupling a hose.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Both firefighters take a firm grasp of their couplings and then push toward each other, which compresses the hose gasket.		
	Then they use their body weight, with arm muscles contracted and stiffened, and turn their couplings to the left or counterclockwise.		
	Once the coupling is loose, the firefighter with the female coupling then turns the female swivel until the hose is uncoupled.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
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SKILL SHEET 15-6		Two-Firefighter Connecting and Disconnecting a Storz Connection	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of LDH with Storz connection • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Working as a member of a team, the student will connect and disconnect a Storz connection.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Two firefighters each grab a coupling. Lining up the tabs, they press the two couplings together.		
	The firefighters then twist the couplings clockwise until the couplings click into place, usually a quarter of a turn.		
	To disconnect the Storz connection, each firefighter grabs a coupling. In the event that they are locking Storz connections, each firefighter depresses the lever on their respective coupling to disengage the lock.		
	Each firefighter then twists the coupling counterclockwise until the couplings disengage. That is typically one quarter of a turn.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-7		Replace a Coupling Gasket	
OBJECTIVE:		NFPA 1001, 4.5	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Hoseline section • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will replace a hose gasket.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Inspect a hose gasket by feeling the gasket with your fingers. If the gasket is dry or brittle, it should be replaced immediately.		
	When replacing a gasket, simply pull the gasket out with your fingers.		
	Take the new gasket, pinch it between your fingers and place the loop into the coupling. Take the rest of the gasket and press it into the coupling. The gasket should pop into place.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
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SKILL SHEET 15-8		Using Spanner Wrenches	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Hoseline sections • Spanner wrenches • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will demonstrate using spanners.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Use the top of the spanner to grip a lug on the hose coupling. Place the handle of the spanner against the hose coupling. You have now gripped the coupling.		
	Take a second spanner and grip the opposite coupling.		
	Press down on the spanners to tighten the couplings.		
	Spanners can be used to loosen couplings.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-9	Using a Screw-Down Hose Clamp		
OBJECTIVE:	NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> Length of hose Engine or Hydrant to pressurize hose. Screw-Down Hose Clamp PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate a screw-down hose clamp.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	During structural firefighting operations, hose clamps are often used in water supply evolutions before water is flowing. This allows the hydrant firefighter to complete hydrant tasks and to be released from the hydrant.		
	Open up the hose clamp and place the hose inside. Close the clamp.		
	Twist the handle clockwise to press the clamp down on the hose, until the water flow has been blocked.		
	To remove the screw-down hose clamp, simply twist the handle counterclockwise to restore water flow, and remove the clamp from the hose.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-14		Hose Testing	
OBJECTIVE:		NFPA 1001, 5.5.5	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Several lengths of hose • Engine or hose tester to pressurize hose. • Marker • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will perform hose testing.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The first thing that needs to be accomplished is a visual inspection of the hose. Look for damage to the couplings, liners, and jackets. If the hose fails the visual inspection, the hose should be condemned.		
	Identify the service test pressure. It is possible to test up to a maximum of 300 ft of hose coupled together as long as it has the same service test pressure. Find a safe location to test the fire hose, and make sure to wear a helmet and gloves when performing the test.		
	You can use either a fire department pumper or a hose testing machine to provide water and pressure for the test. Make sure the hose-testing machine or fire department pumper is in proper working order. When using a fire department pumper for the hose testing, a gate valve should be used with a 1/4-in. hole drilled into it. During the high-pressure portion of the test, the gate valve is closed, so if a length of hose fails, it will also not produce an extremely wild line.		
	Begin by laying out the hose to be tested. Mark the coupling connections all the way around. These markings are used after the test to determine if the hose has slipped out or moved at its connection to the coupling. The perpendicular line that crosses onto the coupling is there to make sure the hose did not twist in the coupling during testing.		
	Once the test markings at all couplings have been made, cap the last male in the test layout with either a special bleeder cap or a nozzle. Make sure both the nozzle end and supply end of the test hose have been secured to reduce the chance of a wild line in the case of rapid hose failure. The female coupling at the pump panel or the hose-testing		

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	<p>machine can be secured to the eyelet of the pump or hose tester, using rope. In addition, the nozzle or bleeder cap at the end of the hoseline is also secured with rope.</p>		
	<p>Once the hose has been secured, charge the hose to 50 psi and bleed the air out of the line. Once all of the air is bled off, close the nozzle or bleeder cap and check the hose. This is done while maintaining 50 psi. Any simple leaks at couplings at this time can be addressed by tightening them with spanner wrenches. If leaks are discovered in the hose, or at the shanks of a coupling at the hose connection, the hose has failed. Do not continue with the test. Remove the failed section, or sections, of hose and record the problem for repair. If it is not repairable, condemn the hose and cut off both couplings.</p>		
	<p>Hose that has passed this initial 50-psi test and check is now brought to the full service pressure in a controlled manner. Once test pressure has been reached, allow 1 minute per 100 ft of hose to a maximum of 3 minutes for the pressure to stabilize. This stabilization period is not needed if using a fire pump, because the hose is under constant supply through the 1/4-in. hole in the test gate valve.</p>		
	<p>Once the pressure has stabilized, the service test pressure shall be held for an additional 3 minutes. During this time, visually inspect the hose carefully, with caution, staying at least 15 ft away from the hose on the left side. The left side of the hose is determined by facing away from the pumping source. Never stand in front of the free end of the hose, on the right side, or closer than 15 ft. The reason the left side is safer is because fire hose is constructed in such a manner that typically during catastrophic failure it is more likely to rapidly move to the right.</p> <p>During the service test, if a length of hose bursts, the test must be terminated. The burst length of hose must be removed from the test layout and properly handled, documented, and tagged. Then the test should be repeated without the damaged section.</p>		
	<p>After a successful test, the pressure should be brought down to equalize with the source. Then the tested hose should be drained and coupling markings examined for signs of hose slippage. If no slippage has occurred and no leaks were observed, then the hose has passed its annual service test. It should be properly documented and then placed into service. Service testing of hose, and hose records, are critical and should be taken very seriously by all members.</p>		
<p>EVALUATOR COMMENTS:</p> <p>[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]</p>			
<p>EVALUATOR SIGNATURE:</p>			
<p>STUDENT SIGNATURE:</p>			

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SKILL SHEET 15-15		Straight Roll	
OBJECTIVE:		NFPA 1001, 4.5.2	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of hose • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will perform a straight roll.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Start at one coupling and roll the hose along the ground until you get to the other coupling. If you are rolling a hose that is to remain in service, start at the male coupling. If you are rolling a hose to be placed out of service, start at the female coupling.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-17		Dutchman	
OBJECTIVE:		NFPA 1001, 4.5.2	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • 3 or 4 lengths of hose. • Engine or hose bed prop • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		student will demonstrate a Dutchman.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	It is always best to load hose so that the couplings are pulled directly off the hosebed and are not forced to flip over when deployed. To avoid this, fold over an extra length of hose, thus shortening the hose and repositioning the coupling to allow it to deploy correctly from the hosebed. This is called a Dutchman.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-18	Minuteman Load		
OBJECTIVE:	NFPA 1001, 4.5.2	FEH Chapter: 15	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> Three lengths of hose Engine or hose bed prop PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:	Student will create a minuteman load.		
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	To load a 200-ft 1 3/4"-in. attack minuteman load, simply start by connecting the first 50-ft length to the proper discharge, then connecting an additional 50' length. Flat load these two lengths, leaving a grab loop just shy of 50' and finish by moving the last tail of hose to the side.		
	Now, join the remaining two lengths together, forming a 100-ft length, place a nozzle on the male end. Then, place the nozzle in the preconnected bed on top of the previously loaded lengths of hose, facing toward the direction of pull.		
	Once the nozzle is placed, simply flat-load the rest of the 100-ft length on top of the nozzle.		
	Once all of the 100-ft length of hose is loaded, couple the female coupling to the male coupling from the first length.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			

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EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

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SKILL SHEET 15-25		Donut Roll	
OBJECTIVE:		NFPA 1001, 4.5.2	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of hose • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will create a donut roll	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The simple donut roll is made by folding a length of hose over itself in half and then pulling the male coupling back from the female coupling approximately 3 ft.		
	Roll the hose toward the male and female couplings. The male coupling end of the hose finishes on the inside of the female coupling, which will result in protecting the threads. This donut roll is easily secured by a large cut piece of truck tire inner tube or elastic band. The donut roll is also commonly put in bags called hose packs.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-29		Flat Load	
OBJECTIVE:		NFPA 1001, 4.5.2	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • 8 or 10 lengths of hose. • Engine or hose bed prop • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will create a float load.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Start by placing the coupling at the front of the hosebed, along either the left or right edge. Lay the hose out flat, toward the rear of the bed.		
	At the rear of the bed, fold the hose over on itself, laying it flat up to the front of the hosebed.		
	When folding the hose over for the second pass, offset the rear fold to lay the hose right next to the previous fold.		
	Continue this pattern, moving back and forth along the hosebed, until the hose is completely loaded.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 16-8		Advancing an Uncharged Line Up and Down a Stairway	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 16
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Hoseline • Engine • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will advance an uncharged line up and down a stairway.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	To advance an uncharged line up a stairway, first remove the hoseline from the apparatus in an approved manner and flake out the hoseline up the stairs.		
	Place the hoseline on the outsides of the stairs to help alleviate kinking when the hose is charged.		
	Stage hose in the stairwell above the floor.		
	Call for water and bleed the line.		
	After properly donning your SCBA, advance on the fire, and into the IDLH atmosphere.		
	When removing the hose, if safety permits, the line can be bled and removed as an uncharged line.		
	To advance an uncharged line down a stairway, first remove the hoseline from the apparatus in an approved manner and flake out the hoseline down the stairs.		
	Place the hoseline on the outsides of the stairs to help alleviate kinking when the hose is charged.		

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	Stage hose on the landing		
	Call for water and bleed the line.		
	After properly donning your SCBA, advance on the fire, and into the IDLH atmosphere.		
	When removing the hose, if safety permits, the line can be bled and removed as an uncharged line.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-1		Coupling a Hose: One-Firefighter Foot Tilt	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of hose • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will couple a hose.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Step on the hose just behind the male coupling This action will make the threads tilt up.		
	The firefighter can then, using both hands, hold the female coupling, align the higbee indicators and connect the male and female coupling.		
	The firefighter twists the coupling clockwise to join the hose together. This method can also be used to uncouple hose.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-3		Uncoupling a Hose: Knee Press	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of hose • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will demonstrate the knee press.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Sometimes when trying to uncouple hose by yourself, you may run into a coupling that is too tight to use the standard foot tilt method. In this case, you can use the knee press maneuver.		
	Bend the hose back and drive the male shank into the ground by pushing on the female shank with your knee. This compresses the hose gasket.		
	While compressing the coupling with your knee, reach down and loosen the female swivel by turning to the left or counterclockwise.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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SKILL SHEET 15-5		One-Firefighter Connecting and Disconnecting a Storz Connection	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of LDH with Storz connection • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will connect and disconnect a Storz connection.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The Storz connection is a universal connection very common when using large-diameter hose. The ease of coupling between Storz connections are inconsistent due to the condition of the Storz coupling, manufacturer, maintenance level, and whether they are locking or not.		
	The firefighter grabs both couplings, aligns the tabs, and presses the couplings together. If you are using locking Storz connections, be sure to line up the locking tabs. Failure to do this will result in added difficulty during removal.		
	The firefighter then twists the coupling clockwise until the couplings click into place, usually a quarter of a turn. If the couplings are non-locking, ensure that the line-up arrow indicator or cut/coupling indicator line up to ensure that the couplings are fully coupled.		
	To disconnect the Storz connection, depress the locking lever on each coupling, and twist the coupling counterclockwise to disengage the lock. One should always have a set of Storz spanners available in the event that the connection is too difficult to remove by hand.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			

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STUDENT SIGNATURE:	
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FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 15-10

SKILL SHEET 15-10		Using a Standard Hose Clamp	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of hose • Engine or Hydrant to pressurize hose. • Standard Hose Clamp • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will demonstrate a standard hose clamp.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Open the hose clamp and place on the hose.		
	Press down on the lever, engaging the clamp, until the clamp is fully closed.		
	To remove the hose clamp, make sure to stand to the side of the clamp. Do not straddle it or put your head in the path of the clamp handle. It is under extreme pressure.		
	While putting pressure on the handle, slowly release the pressure from the hose, then remove the clamp.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 15-12

SKILL SHEET 15-12		Field Hose Clamp Maneuver	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Length of hose • Engine or Hydrant to pressurize hose. • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will demonstrate a field hose clamp maneuver.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	To perform the field hose clamp maneuver, create a loop in the hose.		
	Using your body weight, press down on the loop to flatten it, restricting the water flow.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 15-16

SKILL SHEET 15-16		Marking Defective Hose	
OBJECTIVE:		NFPA 1001, 4.5.2	FEH Chapter: 15
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Hose • Tag to mark hose • Permanent marker 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will demonstrate marking a defective hose.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	To denote a length of hose as being out of service, straight roll the hose starting at the female end, with the male end out.		
	Using a tag, label the hose as defective and notify the officer that the hose has been taken out of service.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 16-3

SKILL SHEET 16-3		Preventing Water Hammer	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 16
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Hoseline • Apparatus with a pump • Nozzle • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will demonstrate using a nozzle to prevent water hammer.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Student demonstrates avoiding water hammer by opening and closing the water nozzles and valves in a controlled and fluid motion.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 16-12

SKILL SHEET 16-12		Well Hole Stretch	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 16
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Apparatus • PPE • Hose 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will perform the well hole stretch.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The nozzle firefighter drops the length of hose brought into the building at the base of the stairs. The nozzle firefighter now proceeds up the stairs with the nozzle allowing the hose to feed up the well hole.		
	The second firefighter will proceed up the stairs to assist with the stretch.		
	Additional hose may be brought to the base of the stairs by other team members.		
	Once sufficient hose has been hauled up the line must be secured to prevent the hose from falling into the well hole when charged.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 16-13

SKILL SHEET 16-13		Loop Method	
OBJECTIVE:		NFPA 1001, 4.3.10 & 4.3.15	FEH Chapter: 16
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Apparatus • PPE • Hose 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will perform the loop method.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The nozzle firefighter and backup firefighter lead the way.		
	The firefighter near the doorway lifts the hose above their head and makes a twist, thereby creating a loop in the hose.		
	As more hose is called for the loop is rolled forward. If the team backs up the hose is rolled backward.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			