

COMPANY PERFORMANCE STANDARDS
March, 2009

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INTRODUCTION

This manual establishes a series of standard incident-based company evolutions for District use. Collectively, these evolutions are known as the *Company Performance Standards*. Individual evolutions can be thought of as "plays" commonly run during an incident, and this manual can be thought of as the District's official "playbook". Each company is expected to be proficient in these evolutions and each crew member is expected to be skilled in their position-specific role within each evolution. For each role (Captain, Engineer, Firefighter) every required step has been expanded into a position-specific checklist. The checklists are designed to show the preferred or best course of action for the evolution. The checklists also help to avoid missed steps or blind spots in complex evolutions.

In addition to the information contained in this manual, personnel must be familiar with supporting District Policy and Procedure Documents including applicable Training/Safety Bulletins. Personnel should also review common operational reference texts including the *Incident Response Pocket Guide*, *Fireline Handbook* (PMS 410-1) and the *Field Operations Guide* (ICS 420-1).

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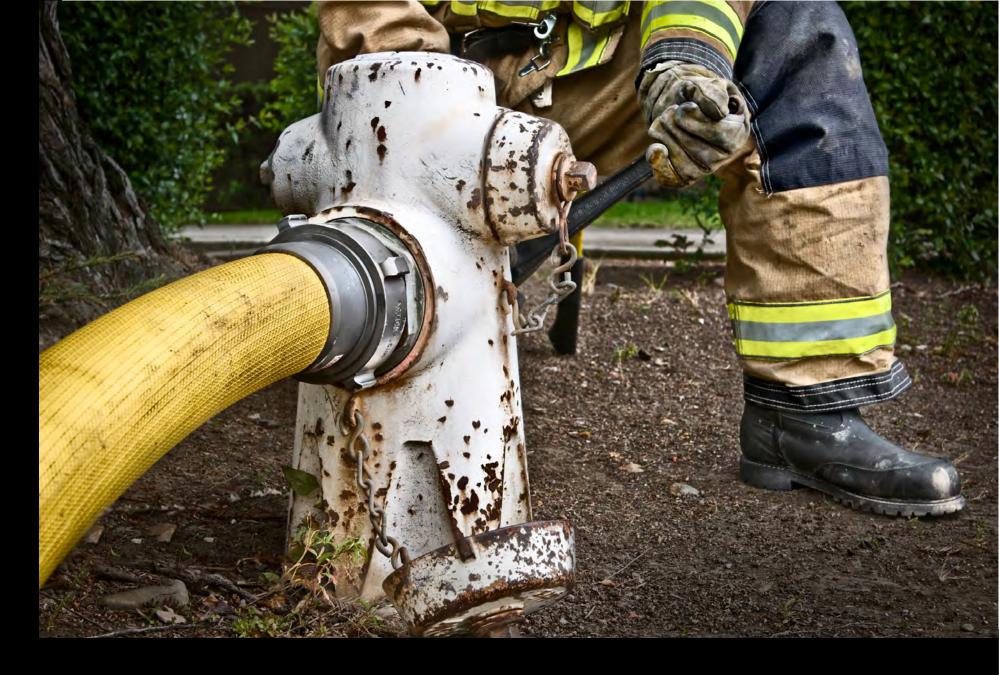


FORWARD LAY DRY

SOP Forward Lay **DRY** Crew will lay an uncharged 4" supply line from a hydrant or split-lay location to the **Objective** fire. Engine: three-person crew in full structural PPE Given **Additional Information Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Stop at hydrant (tailboard approx. ☐ Exit engine upon order of Captain IC Responsibilities 10' past hydrant) or split-lay ☐ Pull enough 4" line to reach location Conduct Incident Risk hydrant or split-lay location ☐ Drive to fire upon signal from ☐ Bring hydrant wrench Assessment ☐ Foot or wrap supply line o Transmit Initial Report on Firefighter on supply line Conditions ☐ Spot at fire; set brake; engage ☐ Signal Engineer to continue to fire Activate Radio Extender location amua Conduct walk-around size ☐ Don radio, earpiece/ mic and ☐ Report to Captain for assignment up; transmit *Updated* helmet **Condition Report** □ Chock wheel ☐ Back break 4" hose and return ☐ Give order to crew ☐ Inform next due engine that you male to hose bed are "laying in dry" and request that ☐ Make intake connection they "pick-up" the supply line ☐ Communicate to supply engine ☐ Indicate to Engineer where to spot that supply line is ready to be charged at fire location ☐ Check line; remove kinks ☐ Exit engine and retrieve appropriate tools ☐ Perform coordinated support ☐ If not first arriving unit, report for functions as necessary (utilities,

lighting, stage equipment, etc.)

assignment; give orders



FORWARD LAY WET

SOP Forward Lay **WET** Crew will lay and charge a 4" supply line from a hydrant to the fire location. **Objective** Engine: three-person crew in full structural PPE Given Additional Information **Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Stop at hydrant (tailboard approx. ☐ Exit engine upon order of Captain IC Responsibilities 10' past hydrant) ☐ Pull hydrant wrench and enough 4" ☐ Drive to fire upon signal from line to reach and hydrant Conduct Incident Risk ☐ Foot or wrap hydrant Firefighter on supply line Assessment o Transmit Initial Report on ☐ Spot at fire; set brake; engage ☐ Signal Engineer to continue to fire Conditions location amua Activate Radio Extender ☐ Don radio, earpiece/ mic and ☐ After supply line is secure remove Conduct walk-around size helmet 4-1/2" hydrant cap and check for □ Chock wheel up; transmit *Updated* obstructions **Condition Report** ☐ Back break 4" hose and return ☐ Open hydrant to flush ☐ Give order to crew ☐ Close hydrant and connect supply male to hose bed ☐ Transmit that you are "laying in ☐ Make intake connection hose

☐ Communicate to Firefighter that

☐ Check line; remove kinks

☐ Perform coordinated support

supply line is ready to be charged

functions as necessary (utilities,

lighting, stage equipment, etc.)

☐ Indicate to Engineer where to spot

☐ If not first arriving unit, report for

assignment; give orders

wet"

at fire location

appropriate tools

☐ Exit engine and retrieve

☐ Charge line when ordered by

other responding vehicles

☐ Follow supply line back to engine

☐ Report to Captain for assignment

removing any kinks; move hose to

side of street to allow access for

Engineer

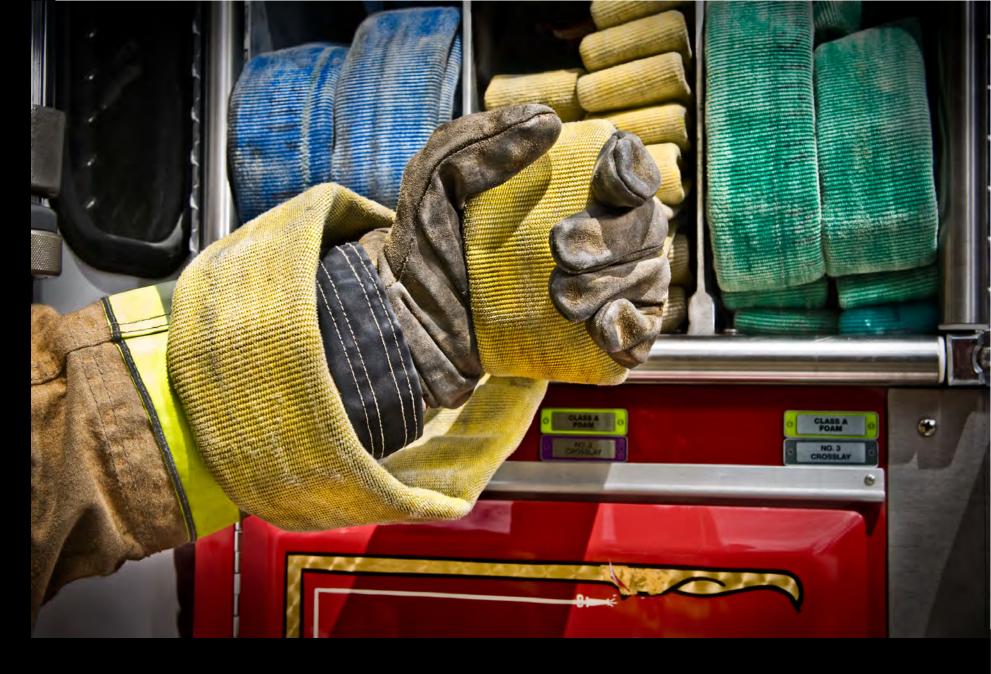


REVERSE LAY

SOP Reverse Lay Crew will lay a 4" line from an engine or truck out to a hydrant and pump into the **Objective** supply line. Engine; three-person crew in full structural PPE Given **Additional Information Position-specific Tasks Firefighter** Captain **Engineer** ☐ Stop at attack engine or truck ☐ Exit engine upon order of Captain ☐ Give order to crew ☐ Drive to hydrant upon signal from ☐ Pull enough 4" line to reach any of ☐ Exit engine and retrieve Firefighter on supply line the target engine intakes appropriate tools ☐ Spot at hydrant; set brake; engage ☐ Meet up with Firefighter ☐ Foot supply line ☐ Report to IC for assignment ☐ Signal Engineer to continue to pump ☐ Don radio, earpiece/ mic, and hydrant location ☐ Assist with making connection to helmet intake, if needed ☐ Chock wheel ☐ Open front suction drain and pull ☐ Report to Captain for assignment front suction hose and tools to hvdrant ☐ Remove 4 ½" hydrant cap and check for obstructions ☐ Open hydrant to flush ☐ Close hydrant and connect front suction hose ☐ Fully open hydrant ☐ Close front suction drain ☐ Open front suction valve (note static pressure) ☐ Back break 4" hose and return male to hose bed

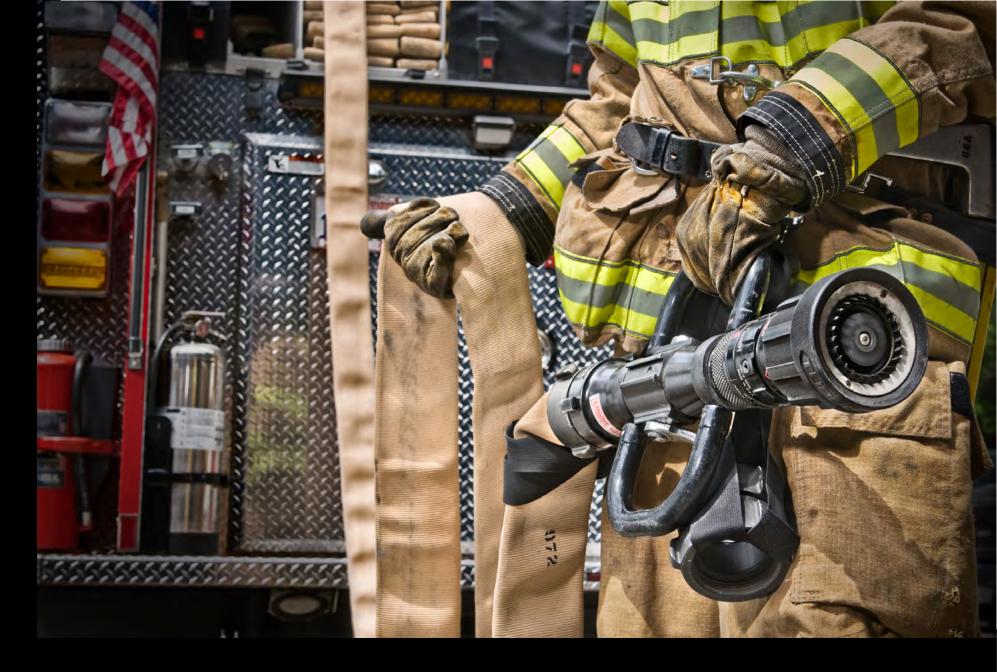
☐ Connect 4" hose to #3 discharge

Captain	Engineer	Firefighter
	 Notify attack Engineer that supply line is ready 	
	 If time permits, move 4" hose to side of street to allow access for other responding units 	
	 Charge supply line on order of attack engine Engineer (use idle pressure unless adjustment is requested) 	
	☐ Check line; remove kinks	
	☐ If incoming water supply pressure is excessive, disengage pump	
	☐ After continuous water supply is established, a second line should be connected to the hydrant to maximize available water and allow uninterrupted supply should first line fail	



LIVE LINE ATTACK

SOP Live Line Attack Crew will fully advance a 200' pre-connected "Live Line" and prepare for interior fire **Objective** attack. Engine; three-person crew in full structural PPE Given **Additional Information Position-specific Tasks Firefighter** Captain **Engineer** If first arriving unit, perform Initial IC ☐ Spot at fire; set brake; engage ☐ Exit engine upon order of Captain Responsibilities ☐ Pull Live Line to designated pump o Conduct Incident Risk ☐ Don radio, earpiece/ mic, and location Assessment helmet ☐ Flake hose o Transmit Initial Report on □ Chock wheel ☐ Indicate to Captain when ready for Conditions ☐ Clear hose bed water Activate Radio Extender ☐ Don face piece, hood, helmet, and ☐ Ensure appropriate tools are at Conduct walk-around size entry point aloves up; transmit *Updated* ☐ Charge line on order of Captain; ☐ Bleed air from line and check for **Condition Report** set pump pressure; set pressure adequate stream and pattern relief or engage pump governor ☐ Check door for heat ☐ Give order to crew ☐ Call for water when Firefighter ☐ Check attack line; remove kinks ☐ Open door on order of Captain indicates ready ☐ Prepare to receive supply ☐ Don face piece, hood, helmet, and ☐ Check supply line; remove kinks ☐ Perform coordinated support aloves ☐ Give order to enter when crew is functions as necessary (utilities, lighting, stage equipment, etc.) ready



2-1/2" ATTACK

SOP 2-1/2" Attack Crew will place 200' of 2-1/2" working line in service with nozzle ready for fire attack. **Objective** Engine; three-person crew in full structural PPE Given Additional Information **Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Spot at fire; set brake; engage ☐ Exit engine upon order of Captain IC Responsibilities ☐ Pull 2-½" nozzle and first loop to pump location designated by Captain Conduct Incident Risk ☐ Don radio, earpiece/ mic, and ☐ Pull and flake sufficient 2-1/2" hose helmet Assessment o Transmit Initial Report on □ Chock wheel to reach fire access point Conditions ☐ Ensure appropriate tools are at □ Indicate to Captain when ready for Activate Radio Extender entry point water Conduct walk-around size ☐ Assist firefighter with 2-½" hose ☐ Don face piece, hood, helmet, and ☐ Pull off required amount of hose up; transmit *Updated* gloves **Condition Report** ☐ Back break hose and connect to ☐ Bleed air from line and check for discharge adequate stream and pattern ☐ Give order to crew ☐ Call for water when Firefighter ☐ Charge line on order of Captain; □ Attack fire with Captain indicates ready set pump pressure; set pressure ☐ Assist in preparing for fire attack relief or engage pump governor (make connections, flake line, etc.) ☐ Check attack line; remove kinks ☐ Don face piece, hood, helmet, and ☐ Prepare to receive supply ☐ Check supply line; remove kinks gloves ☐ Attack fire: report on progress ☐ Perform coordinated support

functions as necessary (utilities, lighting, stage equipment, etc.)



WYED LINE ATTACK

SOP Wyed Line Attack Crew will deploy needed length of 2-1/2" hose and place high-rise bundle in service. **Objective** Engine; three-person crew in full structural PPE Given Additional Information **Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Spot at fire; set brake; engage ☐ Exit engine upon order of Captain IC Responsibilities ☐ Shoulder load high-rise pack with pump Conduct Incident Risk ☐ Don radio, earpiece/ mic, and wye and grab 2-1/2" line ☐ Follow Captain to designated helmet Assessment o Transmit *Initial Report on* □ Chock wheel location **Conditions** ☐ Ensure appropriate tools are at ☐ Connect high-rise pack with wye to Activate Radio Extender entry point end of 2-1/2" Conduct walk-around size up; ☐ Assist crew with 2-½" hose ☐ Flake hose transmit *Updated Condition* ☐ Pull off required amount of hose \square Open wye to 1- $\frac{3}{4}$ " hose Report ☐ Back break hose and connect to ☐ Indicate to Captain when ready for ☐ Give order to crew discharge water ☐ Charge line on order of Captain; ☐ Don face piece, hood, helmet, and ☐ Exit engine and retrieve appropriate tools set pump pressure; set pressure aloves ☐ Shoulder load second high-rise relief or engage pump governor ☐ Bleed air from line and check for ☐ Check attack line; remove kinks adequate stream and pattern pack ☐ Stage high-rise pack at location ☐ Prepare to receive supply ☐ Check door for heat ☐ Check supply line; remove kinks best suited for initial attack ☐ Open door on order of Captain ☐ Perform coordinated support ☐ Call for water when Firefighter indicates ready functions as necessary (utilities, ☐ Assist in preparing for fire attack lighting, stage equipment, etc.) (make connections, flake line, etc.) ☐ Don face piece, hood, helmet, and

☐ Give order to enter when crew is

gloves

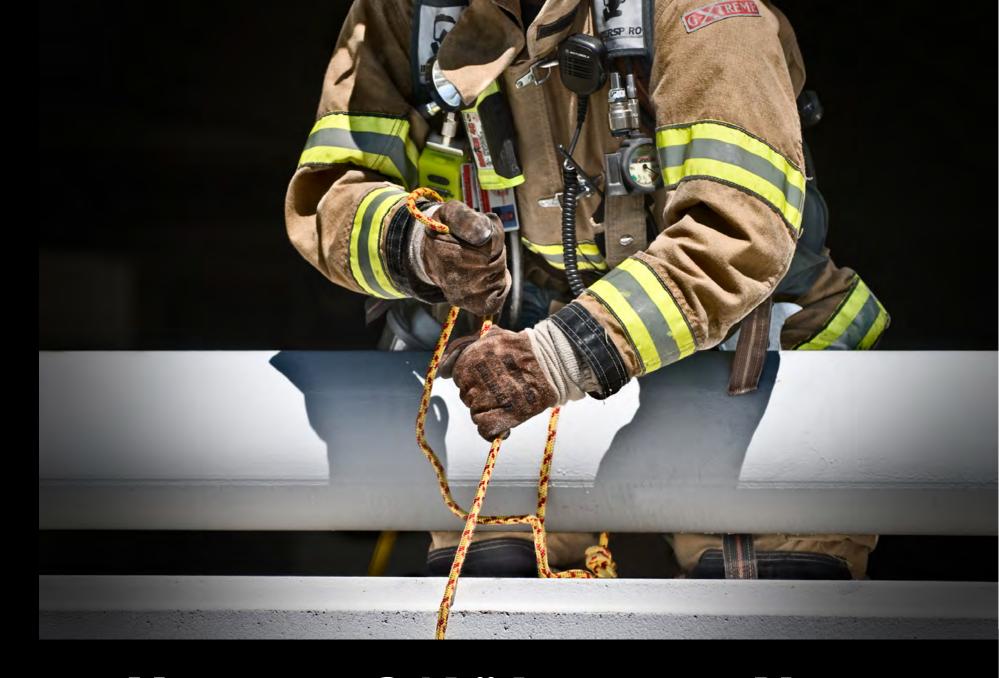
ready



LIVE LINE ATTACK WITH FOAM

SOP Live Line Attack with Foam Crew will place 200' of 1-1/2" pre-connected "Live Line" in service with foam, eductor **Objective** and Class B foam nozzle. Engine; three-person crew in full structural PPE Given **Additional Information Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Spot at fire; set brake; engage ☐ Exit engine upon order of Captain IC Responsibilities ☐ Retrieve Class B foam nozzle and pump Conduct Incident Risk ☐ Don radio, earpiece/ mic, and install in place of fog nozzle ☐ Pull pre-connected line to helmet Assessment o Transmit Initial Report on □ Chock wheel designated location Conditions ☐ Clear hose bed ☐ Flake hose Activate Radio Extender ☐ Indicate to Captain when ready for ☐ Install foam eductor 150' from Conduct walk-around size nozzle water up; transmit *Updated* ☐ Charge line on order of Captain; ☐ Don face piece, hood, helmet, and **Condition Report** set pump pressure; set pressure aloves relief or engage pump governor ☐ Bleed air from line and check for ☐ Give order to crew ☐ Bring foam containers to eductor ☐ Check line and remove all adequate stream, pattern, and remaining kinks location foam ☐ Call for water when Firefighter ☐ Open all three foam containers ☐ Commence attack on order of ☐ Insert eductor into first container indicates Captain ☐ Don face piece, hood, helmet, and ☐ Set proportioning meter to proper gloves concentration ☐ Give order to attack when crew is ☐ Prepare to receive supply ☐ Monitor foam use and change ready foam containers as needed □ Request additional foam and ☐ Call for additional foam as resources as needed

necessary

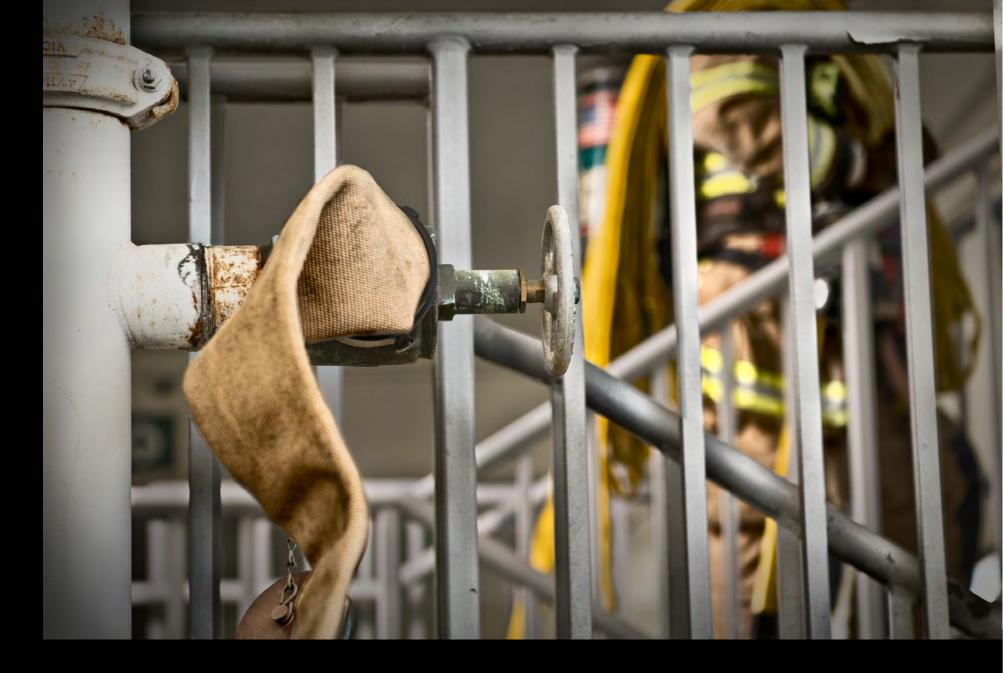


HOISTING 2-1/2" LINE AND NOZZLE WITH DROP LINE

Hoisting 2-1/2" Hose and Nozzle with Drop Line

Crew will hoist 2-1/2" hose using drop line and connect and supply two high rise packs. **Objective** Engine; three-person crew in full structural PPE Given Hoisting hose for fire attack in multiple story buildings. Additional Information **Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Spot at fire; set brake; engage ☐ Exit engine upon order of Captain IC Responsibilities with drop line pump ☐ Shoulder load high rise pack with Conduct Incident Risk ☐ Don radio, earpiece/ mic, and wye and proceed to fire access Assessment helmet o Transmit Initial Report on □ Chock wheel point ☐ Assist crew with hose and Conditions ☐ At fire access point, drop rope to Activate Radio Extender engineer for hose tie-off appropriate tools Conduct walk-around size ☐ Pull off required amount of 2-½" ☐ Hoist sufficient 2-1/2" hose to reach hose; leave nozzle connected up: transmit *Updated* fire access point ☐ Secure hose **Condition Report** ☐ Secure 2-1/2" nozzle/hose to drop ☐ Remove nozzle and connect 2-1/2" ☐ Give order to crew line ☐ Facilitate hoisting hose up to fire ☐ Exit engine and retrieve stinger and high rise packs appropriate tools access point ☐ Flake high rise packs for fire attack ☐ Shoulder load second high rise ☐ Back break hose and hook up to ☐ Indicate to Captain when ready for pack; proceed to designated fire 2-1/2" discharge water access point ☐ Charge line on order of Captain; ☐ Don face piece, hood, helmet, and ☐ Assist in preparing for fire attack set pump pressure; set pressure gloves (make connections, flake line, etc.) relief or engage pump governor ☐ Bleed air from line and check for ☐ Don face piece, hood, helmet, and ☐ Check attack line; remove kinks adequate stream and pattern gloves ☐ Prepare to receive supply □ Check door for heat ☐ Give order to enter when crew is ☐ Check supply line; remove kinks ☐ Open door on order of Captain ☐ Perform coordinated support ready functions as necessary (utilities, lighting, stage equipment, etc.)

SOP



STANDPIPE ATTACK

SOP	Standpipe Attack		
Objective Crew will place high rise packs in service from a standpipe connect		rom a standpipe connection.	
Given	iven Engine; three-person crew in full structural PPE		
Additional Information	Incoming unit assignment.		
	Position-specific Tasks		
Captain	Engineer	Firefighter	
 □ Receive assignment □ Give order to crew □ Shoulder load and carry one hi rise bundle and irons to standp connection one floor below fire □ Confirm standpipe is charged □ Connect pack with 2-½" stinger standpipe □ Assist Firefighter with flaking dinase up stairwell □ Charge hose when Firefighter indicates ready □ Don face piece, hood, helmet, a gloves □ Give order to enter when crew ready 	ipe needed Perform duties as assigned by Captain to	 □ Exit engine upon order of Captain □ Shoulder load and carry one highrise bundle to standpipe connection one floor below fire □ Flake first bundle up stairwell □ Connect second bundle (as needed) and continue to flake dry hose up stairwell □ Indicate to Captain when ready for water □ Don face piece, hood, helmet, and gloves □ Bleed air from line and check for adequate stream and pattern □ Check door for heat □ Open door on order of Captain 	



PORTABLE GROUND MONITOR

SC	D P F	Portable	Ground Monitor		
Objective P		Place portable ground monitor in service with engine spotted at attack location.			
Gi	ven E	Engine; three-person crew in full structural PPE			
Ac	initional intormation	Could also be performed with a Reverse Lay after dropping equipment at attack location.			
			Position-specific Tasks		
	Captain		Engineer		Firefighter
	monitor base from firefighter at the top of engine Carry portable base to desired location	n	Spot at fire; set brake; engage pump Don radio, earpiece/ mic, and helmet Chock wheel Pull off required amount of hose Assist crew with pulling hose to the monitor if time permits Back break hose and connect to discharge Charge line on order of Captain; set pump pressure; set pressure relief or engage pump governor Check monitor line; remove kinks Prepare to receive supply Check supply line; remove kinks Perform coordinated support functions as necessary (utilities, lighting, stage equipment, etc.)		Exit engine upon order of Captain Climb to top of engine and change deck gun nozzle from fog nozzle to smooth bore stack tips, if directed Remove deck gun and portable base from engine and pass down to Captain Carry deck gun to portable monitor base and attach With Captain, pull enough 4" hose to reach the portable monitor plus at least 50' to wrap monitor With Captain, attach hose and secure to monitor base Aim discharge upward Adjust stream direction after water is flowing



PORTABLE GROUND MONITOR WITH FOAM

Portable Ground Monitor with Foam

Objective	Place portable ground monitor in service with proportioned foam at attack location.			
Given	ven Engine; three-person crew in full structural PPE			
Additional Information	Could also be performed with a Reverse Lay after dropping equipment at attack location.			
	Position-specific Tasks			
Captain	Engineer	Firefighter		
☐ If first arriving unit, perform Init IC Responsibilities ○ Conduct Incident Risk	Don radio, earpiece/ mic, and helmet Chock wheel □ Establish a water supply □ Remove foam concentrate buckets from engine and place at portable monitor □ Assist crew with pulling hose to the monitor if time permits □ Back break hose and connect to discharge our □ Charge line on order of Captain; set pump pressure; set pressure relief or engage pump governor □ Check monitor line; remove kinks t □ Perform coordinated support functions as necessary (utilities, lighting, stage equipment, etc.)	 □ Exit engine upon order of Captain □ Climb to top of engine; remove nozzle and stream straightener from deck gun □ Remove deck gun and portable base from engine and pass down to Captain □ Carry deck gun to portable monitor base and attach □ Attach eductor and install proportioning disk; attach pick-up tube and nozzle □ With Captain, pull enough 4" hose to reach the portable monitor plus at least 50' to wrap monitor □ With Captain, attach hose and secure to monitor base □ Adjust stream direction after water is flowing 		

SOP

Captain	Engineer	Firefighter
Carry portable base to desired		
location		
Determine proper proportioning		
disk to use and relay to Firefighter		
With Firefighter, pull enough 4"		
hose to reach the portable monitor		
plus at least 50' to wrap monitor		
With Firefighter, attach hose and		
secure to monitor base		
Call for water when crew is ready		
Place pick-up tube in foam bucket		



MOBILE ATTACK

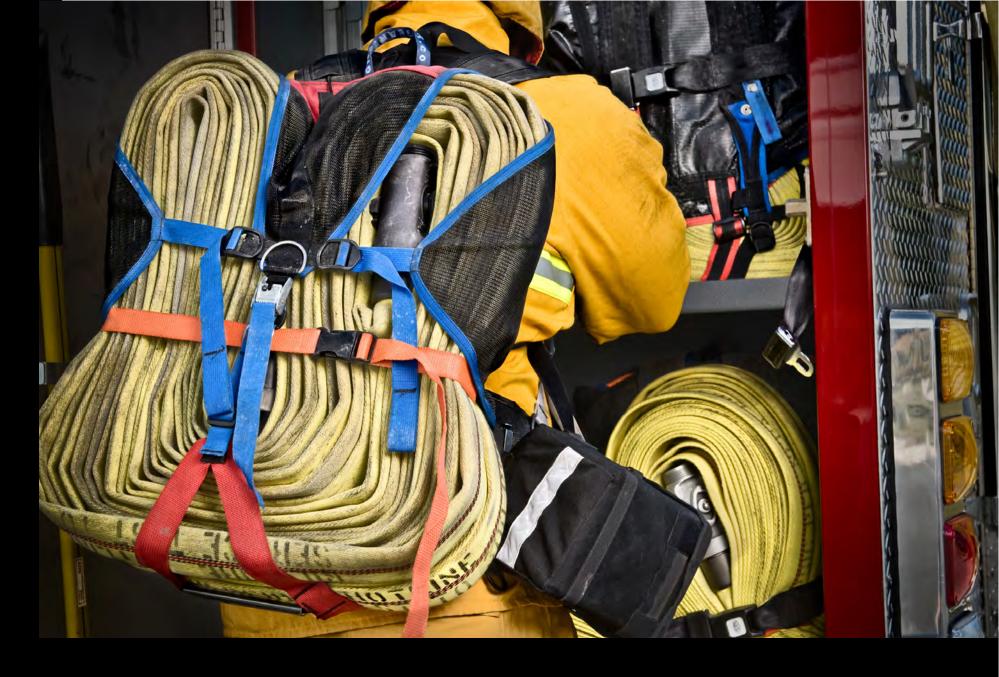
SOP Mobile Attack **Objective** Perform mobile attack using 25' front bumper line and 25' 1" rear line. Type 3 Engine; three person crew in full Wildland PPE Given **Additional Information Position-specific Tasks** Captain Engineer **Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Exit engine upon order of Captain ☐ Spot engine; set brake **IC** Responsibilities Conduct Incident Risk Assessment o Transmit Initial Report on **Conditions** Activate Radio Extender

O Netivate Nadio Exterider
 Conduct size up; transmit
Updated Condition Report
Give order to crew
Evaluate and discuss LCES
Determine anchor point and relay
to Engineer
Exit cab with two portable radios
(SRM & BK)
Pull 25' of 1" line from rear
compartment and flake hose out
Pull 1" rear discharge to open
valve
Bleed air from line and check for

adequate stream and pattern□ Signal to Engineer when ready□ Observe crew performance and

fire behavior

	Turn on emergency warning lights	Open front bumper compartment
	Engage pump, move selector	door
	switch to pump and roll position	Disconnect 1-1/2" coupling at the
	and relief valve to cab position	75'/25' coupling
	Set pump pressure; set pressure relief	Take nozzle off the end of the hose
	Turn on foam if directed	Attach nozzle to male end of hose
	Engage front axle, low range	(25' section of hose)
	selector, engage rear differential	Pull 25' line out of bumper
	lock (if equipped)	compartment
	Upon Captain and Firefighter	Confirm that nozzle is in off
	signal, release parking brake and	position; open discharge valve
	move forward	Bleed air from line and check for
	Keep a safe distance between	adequate stream and pattern
	engine and Firefighter	Signal to Engineer when ready
	Stop engine if either crew member	Extinguish fire and maintain a
	cannot be seen	continuous wet line



PROGRESSIVE HOSE LAY

SOP Progressive Hose Lay

Objective Advance progressive hose line while maintaining a continuous wet line.

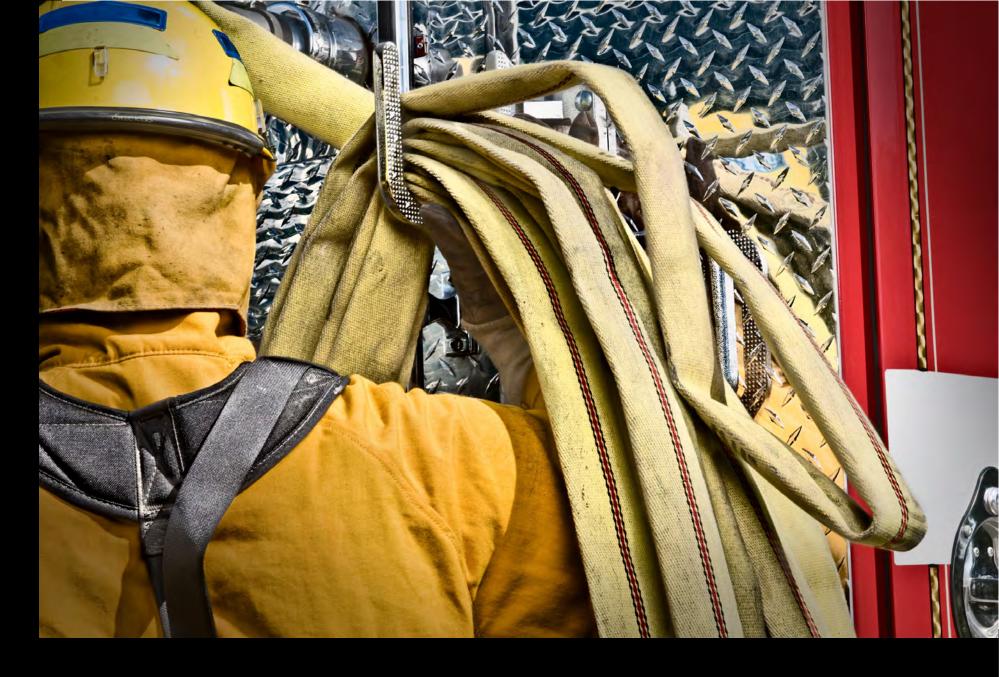
Given Engine; three person crew in full Wildland PPE

Additional Information

Position-specific Tasks

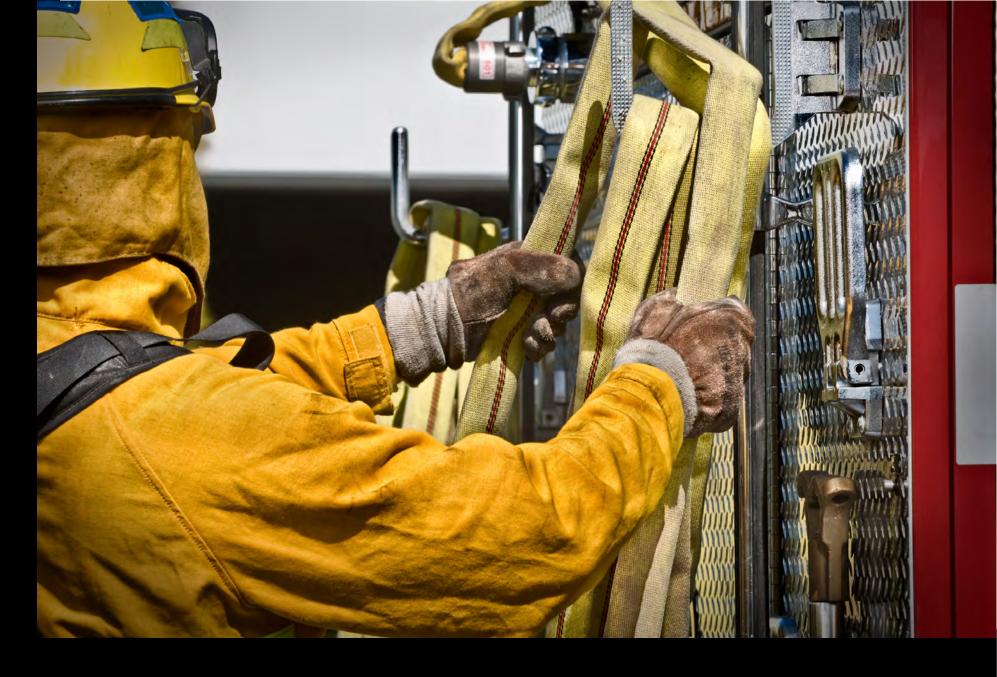
	Captain	Engineer	Firefighter
	If first arriving unit, perform <i>Initial</i> IC Responsibilities	Spot engine; set brake; engage pump	□ Exit engine upon order of Captain□ Don progressive hose pack
	 Conduct Incident Risk 	☐ Exit cab wearing proper PPE with	□ Join Captain at the nozzle
	Assessment	radio	☐ Advance hose to anchor point on
	 Transmit Initial Report on 	□ Chock wheel	fire line
	Conditions	□ Open front bumper and pull 100' of	☐ Extinguish fire and create a
	 Activate Radio Extender 	hose	continuous wet line
	 Conduct size up; transmit 	☐ Flake hose for crew	☐ Pull string on hose pack to drop a
	Updated Condition Report	•	length of hose
	Give order to crew	set pump pressure; set pressure	☐ Knock down fire as far ahead as
	Evaluate and discuss LCES	relief	straight stream will reach
	Determine anchor point and relay	☐ Engage foam if directed	☐ Once hose is clamped, remove
_	to Engineer	☐ Look for water source	nozzle
Ш	Exit cab with two portable radios	☐ Monitor LCES	☐ Take male end of hose from
_	(SRM & BK)	☐ Support crew as needed	Captain
	Don progressive hose pack	☐ Communicate continuously with	Attach nozzle to male end of hose
	Join Firefighter at the nozzle	crew	☐ Advise Captain when ready for
	Pull hose for Firefighter		water
	Continually keep Firefighter		Advance hose and extinguish fire
	updated on remaining hose		with a continuous wet line
	needed to be pulled Pull string on hose pack to drop a		☐ Repeat steps as needed to continue progressive hose lay
Ш	length of hose		☐ Monitor LCES
	Unclip orange hose strap		☐ Communicate continuously with
	Change hood drap		crew

Captain	Engineer	Firefighter
Open hose in a doughnut		
configuration		
Clamp hose several feet from the		
coupling		
Advise when hose is clamped		
Hand the male end of the hose to		
the Firefighter		
Join the female and the male end		
of the hose together		
Advise water is coming and		
release hose clamp		
Continually pull hose for Firefighter		
Continually evaluate crew		
performance and LCES		
Communicate continuously with		
crew		



STRUCTURE PROTECTION BUMP AND RUN

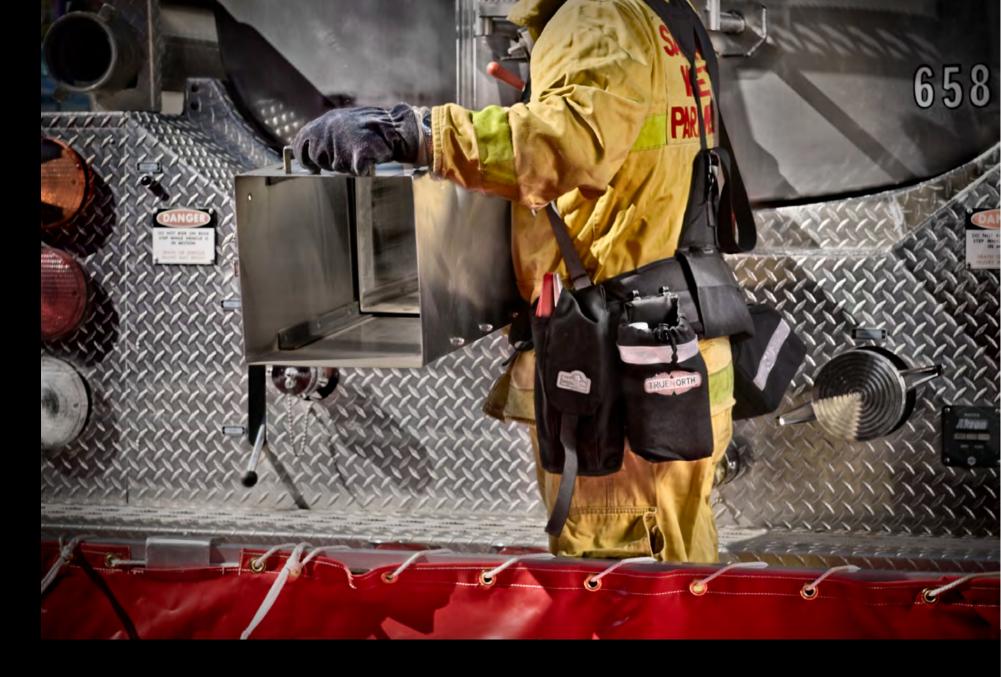
SOP Structure Protection: "Bump and Run" Crew will deploy a minimum of 100' of 1-1/2" hose and then load it onto rear mounted **Objective** hooks. Engine: three person crew in full Wildland PPE Given **Additional Information Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Discuss LCES □ Discuss LCES IC Responsibilities ☐ Exit engine upon order of Captain ☐ Back engine into safe location ☐ Attempt to keep structure between ☐ Assist Engineer with placement of Conduct *Incident Risk* the engine and the fire. engine Assessment ☐ Deploy line where directed o Transmit Initial Report on ☐ Engage pump; engage foam unit if Conditions directed ☐ Call for water Activate Radio Extender ☐ Exit cab wearing proper PPE with ☐ Leave nozzle open after line is o Conduct size up; transmit shut down radio **Updated Condition Report** □ Chock wheel ☐ Load hose onto hooks ☐ Give order to crew ☐ Attach line to rear discharge ☐ Take position in cab □ Evaluate and discuss LCES ☐ Charge line on order; set pump ☐ Exit cab with two portable radios pressure; set pressure relief (SRM and BK) ☐ Install hose hooks on back of ☐ Triage structure; determine engine suppression needs ☐ Shut down discharge on order ☐ Direct Firefighter to deploy 1-½" ☐ Disengage pump; prepare engine single jacket line (100-200') to the to move to next location side of the structure most at risk ☐ Assist Firefighter in fire attack ☐ Give the order to shut down ☐ Assist loading hose onto hooks ☐ Take position in cab; account for crew



STRUCTURE PROTECTION ANCHOR AND HOLD

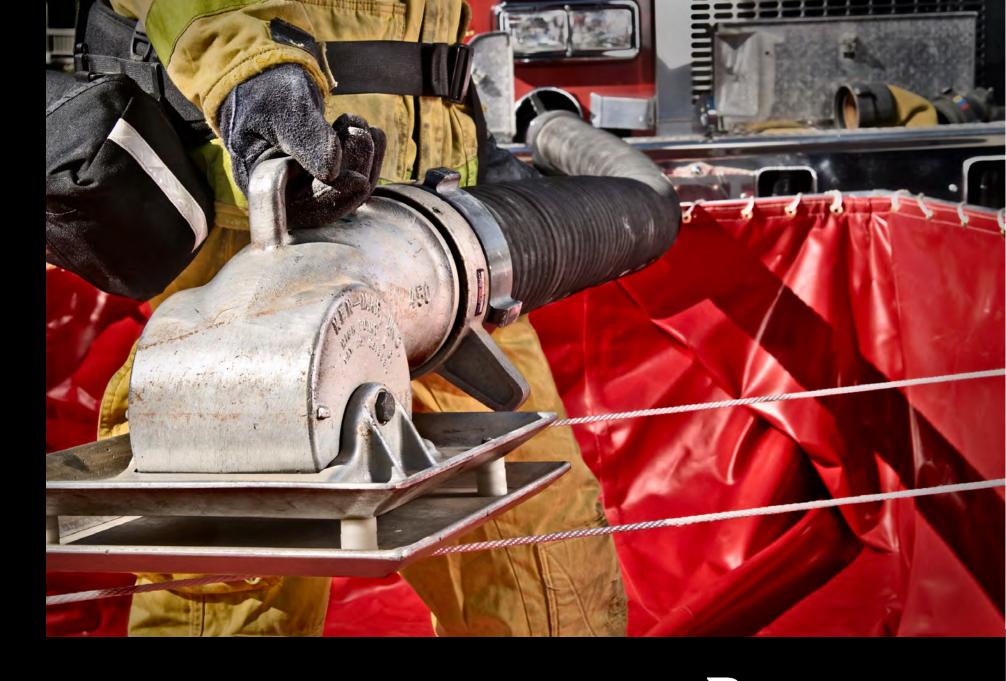
SOP Structure Protection: "Anchor and Hold" Crew will deploy 1-1/2" lines 100'-200' and then loop load it onto rear mounted hooks. **Objective** Engine; three person crew in full Wildland PPE. Given Additional Information **Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform **Initial** ☐ Discuss LCES □ Discuss LCES IC Responsibilities ☐ Back engine into safe location ☐ Exit engine upon order of Captain Conduct Incident Risk ☐ Attempt to keep structure between ☐ Assist engineer with placement of the engine and the fire engine Assessment o Transmit Initial Report on ☐ Engage pump; engage foam unit if ☐ Deploy line where directed ☐ Call for water when readv Conditions directed o Activate Radio Extender ☐ Exit cab wearing proper PPE with ☐ Prepare structure as needed and as time permits o Conduct size up; transmit radio **Updated Condition Report** □ Chock wheel ☐ Give order to crew ☐ Deploy engine protection line. □ Evaluate and discuss LCES Look for water source (garden ☐ Exit cab with two portable radios hose, etc.) (SRM & BK) ☐ Open discharge; set pump ☐ Triage structure; determine pressure; set pressure relief preparation and protection needs ☐ Install/open hose hooks on back of ☐ Direct firefighter to deploy 1-½" engine single jacket line (100-200') to the ☐ Prepare structure as needed and time permits side of the structure most at risk ☐ Consider pulling an additional 1-1/2" single jacket line (100-200') to the opposite side of the structure □ Call for water □ Prepare structure as needed and

as time permits



WATER SHUTTLE OPERATION WITH FOLDING WATER TANK DEPLOYMENT

Objective (Water Shuttle Operation with Portable Folding Water Tank Deployment Crew will establish portable tank water drafting source and initiate water shuttle operation.						
Ad	ditional Information	Incoming unit assignment.						
				Position-specific Tasks				
	Captain			Engineer		Firefighter		
	Enroute, identify closest hydrar water source location to refill w tender Give order to set up for water shuttle operation from portable folding water tank Communicate and coordinate w supporting units Determine best area for setup Portable folding water tank set considerations: Do not block driveway or access points Position drain on downhill s Avoid or remove sharp objet from tank location Leave room for supply enging and incoming water tenders Assist with portable folding wat tank set up Request additional resources an eeded	vith up ide cts ne		Spot water tender; set brake Chock wheel Deploy portable folding water tank Fill portable folding water tank off rear or side dump valve Confirm location of hydrant with Captain and go refill water tender Shuttle water as needed to keep portable folding water tank full		Exit water tender upon order of Captain Assist Engineer with water tender placement Assist Engineer with portable folding water tank deployment Remove equipment from water tender before the tender leaves to refill (Leave equipment with supply engine or attack engine) Tarp Large volume portable pump Fuel can Hard suction Flat Bottom Strainer Report to Captain for assignment		



DRAFTING FROM PORTABLE WATER TANK

SOP
Drafting from a Portable Water Tank
Crew will perform drafting operation from portable water tank.

Given
Engine; three person crew in appropriate PPE
Incoming unit assignment.

Position-specific Tasks

Fingineer

Fingineer

Firefighter

	Captain		Engineer		Firelighter
	Give order to set up for drafting from a portable water tank		Spot engine 3'-4' from portable water tank; set brake; engage		Exit engine upon order of Captain Assist Engineer with spotting of
	Determine best area to spot supply engine	П	pump Chock wheel		apparatus near portable water tank (optimal placement is off corner of
	Assist Firefighter and Engineer		Assist Firefighter with placement of		tank using engine front suction)
П	with on scene setup Coordinate water supply operation		hard suction and strainer Move to pump panel and close all		Remove both lengths of 10' hard suction hose from engine
	with supporting units		valves		Attach strainer to male end of hard
			Increase engine RPM's to 1000- 1200		suction hose Place strainer end of hard suction
			Open suction valve and observe	_	hose into portable water tank
			compound gauge for vacuum while priming pump		Attach female end of hard suction hose to engine front suction. Use
			Primer will discharge water on		side suction if unable to use front
			ground as pressure registers on the discharge gauge		suction Connect supply line to engine
			Maintain a minimum of 50 PSI		,,,
			while opening discharge valve slowly		
			Place open booster line into tank		
			to circulate water and maintain prime		



RAPID INTERVENTION CREW

SOP Rapid Intervention Crew (RIC) Crew will gather the necessary equipment and information in order to perform RIC **Objective** functions. Engine, Truck, or USAR; three-person crew in full structural PPE Given **Additional Information Position-specific Tasks** Captain **Engineer Firefighter** ☐ Give order to crew ☐ Spot apparatus; set brake ☐ Exit apparatus in full PPE with ☐ Report to IC for RIC Briefing in full ☐ Chock wheel appropriate tools and equipment ☐ Don full PPE with appropriate tools ☐ Retrieve strobe/first-in bag and PPE with appropriate tools and equipment and equipment report to Captain ☐ Gather information from IC on ☐ Locate suitable location for staging ☐ Conduct scene size-up with current operational mode, crew of RIC equipment Captain locations and assignments, and ☐ Retrieve and assemble RIC ☐ Assist Engineer in retrieving any known hazards or concerns equipment per SRM Operations remaining equipment; place in RIC ☐ If a Two-Out team has been Policy FF041, Rapid Intervention staging area established prior to RIC, receive ☐ Complete additional tasks as Crew transfer from the Two-Out team ☐ Complete additional tasks as directed (laddering, softening the ☐ Conduct scene size-up with directed (laddering, softening building, etc.) Firefighter to accomplish the building, etc.) ☐ Monitor tactical radio channel and ☐ Monitor tactical radio channel and following: activities and stand by with Locate and secure utilities activities and stand by with Engineer for deployment (Advise IC when secure) Firefighter for deployment Location of hazards Locate and identify possible means of egress Place strobes to identify means of egress Locate places for secondary

ladders

Captain Engineer Firefighter

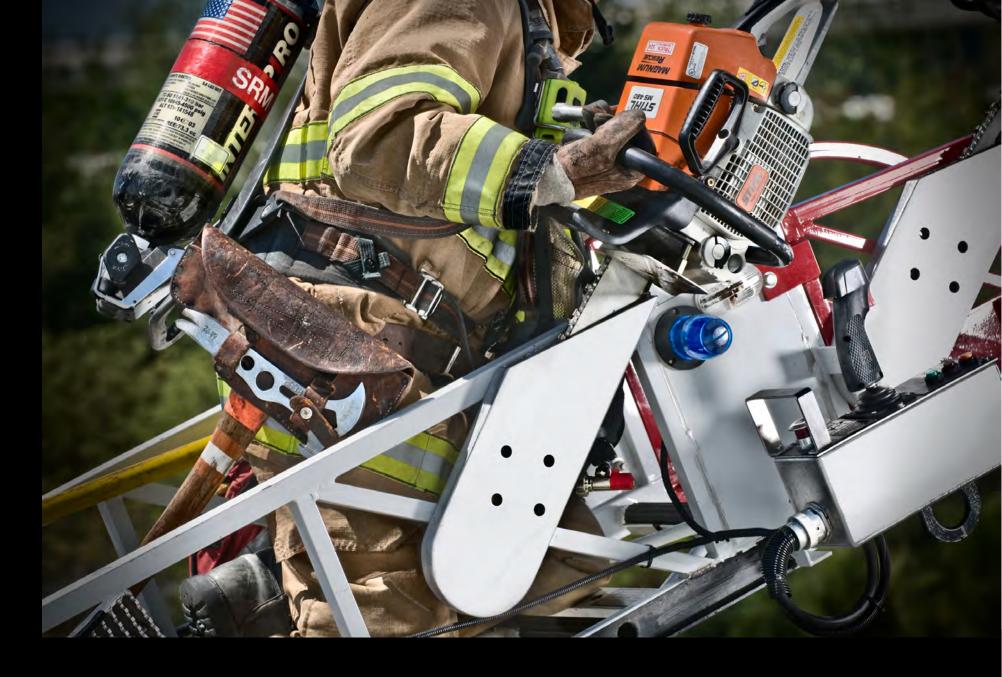
□ Identify initial rescue concerns and develop incident specific Rapid Intervention Plan
□ Work with IC to monitor operations and update contingency plans (i.e. identify secondary TAC channel, need for additional RICs, etc.)



VERTICAL VENTILATION FROM GROUND LADDER

SOP Vertical Ventilation from Ground Ladder Crew will access roof with all necessary tools and personnel to perform vertical **Objective** ventilation. Truck or Engine: three-person crew in structural PPE Given **Additional Information** Ground ladder selection will dictate a one, two, or three person raise. **Position-specific Tasks Firefighter** Captain **Engineer** ☐ If first arriving unit, perform **Initial** ☐ Spot apparatus; set brake ☐ Exit apparatus on order of Captain **IC** Responsibilities ☐ Set cab (*Truck*) ☐ Exit cab wearing proper PPE/ ☐ Chock wheel SCBA with radio Conduct *Incident Risk* ☐ Exit cab wearing proper PPE with ☐ Remove and raise ground ladder Assessment o Transmit *Initial Report on* radio ☐ Foot ground ladder ☐ Don SCBA Conditions ☐ Don face piece, hood, helmet, and Activate Radio Extender ☐ Strip and start chain saws gloves; on air before ascending ladder Conduct walk-around size ☐ Stage chain saws ☐ Take chain saw aloft up; transmit *Updated* ☐ Remove and raise ground ladder **Condition Report** (as needed) □ Evaluate roof conditions ☐ Don face piece, hood, helmet, and ☐ Give order to crew ☐ Exit ladder to roof ☐ Set wheel chocks (*Truck*; optional) gloves; on air before ascending ☐ Commence ventilation operation ☐ Set outrigger (*Truck*; optional) ladder upon order of Captain ☐ Determine fire location ☐ Take roof ladder aloft and position □ Remove and raise ground ladder (as needed) □ Evaluate roof conditions (as needed) ☐ Hang roof hook on climbing ladder ☐ Sound roof from ladder w/roof ☐ Raise roof ladder to climbing hook ladder (as needed) ☐ Exit ladder and foot ladder from ☐ Don face piece, hood, helmet, and above gloves; on air before ascending ☐ Continue to sound roof to ladder ventilation location ☐ Take chain saw aloft □ Evaluate roof conditions

	Exit ladder to roof	□ Commence ventilation operation
	Report any significant roof	upon order of Captain
	conditions to IC and/or interior	
	crews	
П	Direct ventilation operation	



VERTICAL VENTILATION FROM AERIAL LADDER

SOP

Vertical Ventilation from Aerial Ladder (Commercial)

Objective

Crew will access roof with all necessary tools and personnel to perform vertical ventilation.

Given

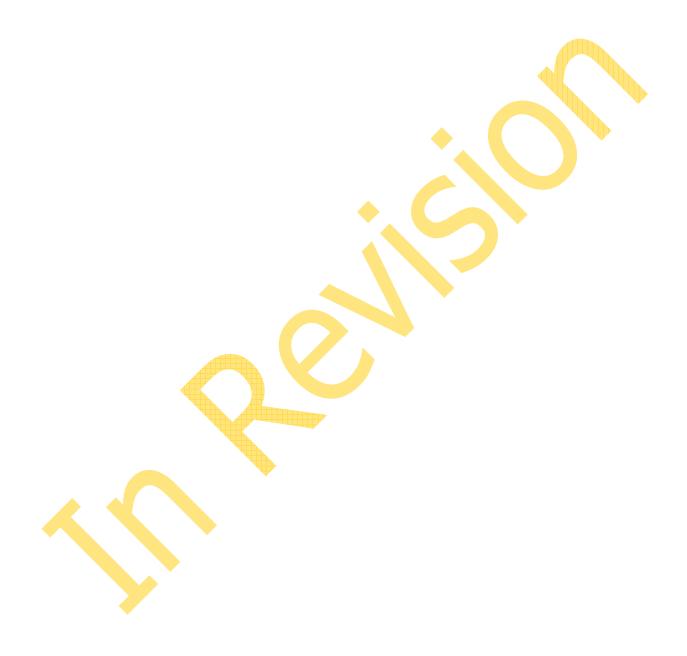
Truck; three-person crew in full structural PPE

Additional Information



Captain Engineer Firefighter





SOP

Vertical Ventilation from Aerial Ladder (Residential)

Objective

Crew will access roof with all necessary tools and personnel to perform vertical ventilation.

Given

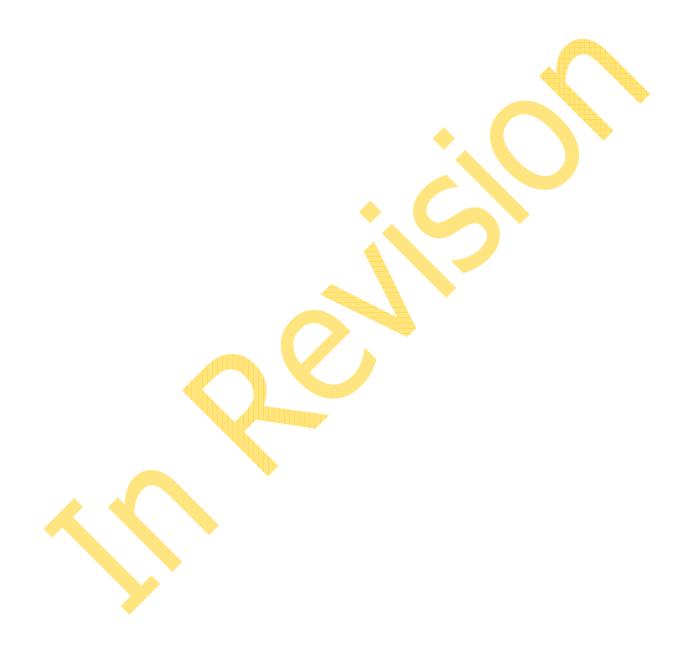
Truck; three-person crew in full structural PPE

Additional Information



Captain Engineer Firefighter







ELEVATED STREAM

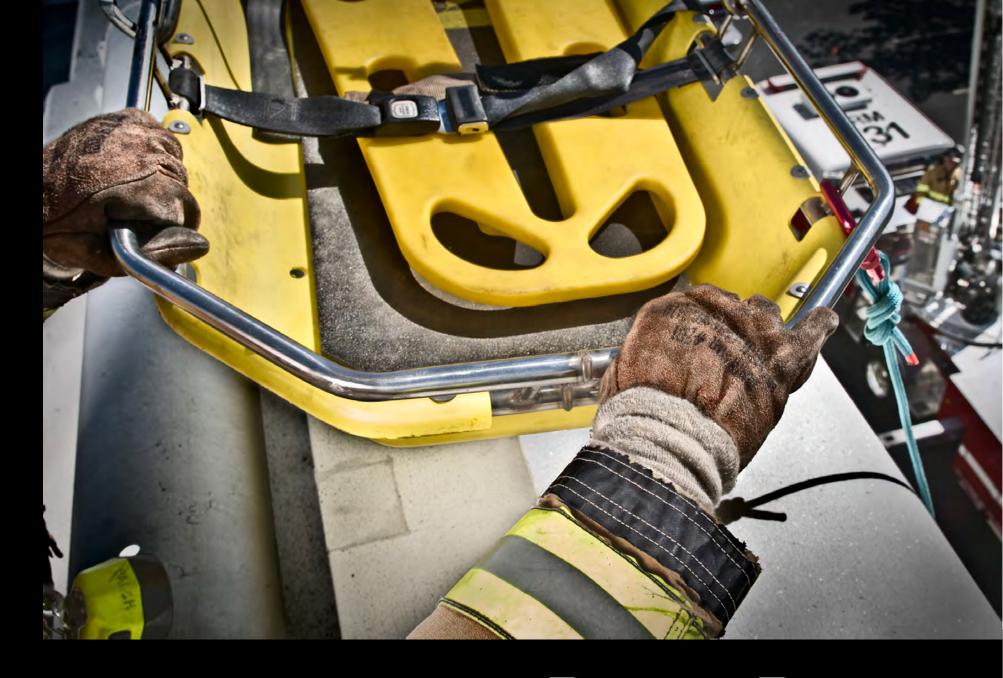
Elevated Stream

Crew will prepare TDA for elevated stream operation. **Objective** Tractor Drawn Apparatus (TDA); three-person crew in full structural PPE Given Additional Information **Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform *Initial* ☐ Exit apparatus on order of Captain ☐ Spot truck; set brake IC Responsibilities ☐ Set cab and engage pump ☐ Exit cab wearing proper PPE with Conduct Incident Risk ☐ Chock wheels radio ☐ Set outriggers and lock-out ☐ Assist Engineer with spotting truck Assessment o Transmit Initial Report on ☐ Connect 4" supply ☐ Pin waterway at tip of ladder ☐ Prepare to receive supply ☐ Change nozzle if directed Conditions Activate Radio Extender ☐ Inform supply engine when ready ☐ Raise aerial to directed position Conduct walk-around size for water ☐ Report to Captain for assignment ☐ Check supply line; remove kinks ☐ If directed to tip of ladder: Don up; transmit *Updated* **Condition Report** ☐ Charge aerial master stream upon SCBA, face piece, hood, helmet, order from Captain; set pump gloves, and ladder belt; on air ☐ Give order to crew before ascending aerial ladder ☐ Set wheel chocks (optional) pressure ☐ Set outrigger *(optional)* ☐ Monitor pump operations ☐ Manage aerial master stream for ☐ Determine fire location ☐ Operate pedestal effective use ☐ Determine nozzle type ☐ Connect 4" stinger from pump discharge to waterway inlet (as necessary, based on water supply configuration) ☐ Inform engineer that aerial waterway is connected to pump (if appropriate) ☐ Direct Engineer to charge aerial master stream upon order from IC

SOP

- ☐ Direct Firefighter to tip of ladder (if necessary and safe to staff)
- necessary and safe to staff)

 ☐ Monitor operation for safety and effectiveness



RESCUE BASKET

SOP Rescue Basket Crew will prepare Truck for rescue basket (Stokes) operation. **Objective** Truck: three-person crew in appropriate PPE Given Minimum of three crews required for Rescue Basket operation. Additional Information **Position-specific Tasks** Captain **Engineer Firefighter** ☐ If first arriving unit, perform *Initial* ☐ With Captain, assess scene for ☐ Assist Engineer with spotting truck IC Responsibilities proper truck placement ☐ At aerial ladder tip, confirm o Conduct Incident Risk ☐ Spot truck; set brake waterway is pinned ☐ Set cab ☐ Attach ladder tip roller to ladder Assessment Transmit *Initial Report* ☐ Chock wheels □ Return to turntable on Conditions ☐ Tie "figure eight-on-a-bite" knot at ☐ Set outriggers and lock-out Activate Radio Extender □ Attach descent control device end of both ropes Conduct walk-around (Rack) and carabineers to bottom ☐ Feed both ropes between ladder rung of ladder and load rope beams toward ladder tip size up; transmit **Updated Condition** ☐ Operate ladder; place tip ☐ Feed knots through rope guide on Report approximately 10' off ground at rope roller and hand to Captain ☐ Give order to crew selected rigging location ☐ After ladder is lifted from bed, ☐ Assess scene for proper truck ☐ Climb ladder and safety check confirm nozzle tip is pointed placement system from tip to turntable downward ☐ Upon order of Captain, raise ☐ Set wheel chocks (optional) ☐ Manage rope bags to allow rope to ☐ Set outrigger (optional) ladder to position for Stokes pay out during raising of ladder ☐ Retrieve "Stokes operation" ☐ Assist Captain with Stokes set up, placement equipment bag; remove ladder tip ☐ Manage rope bags, as necessary as necessary roller and give to Firefighter ☐ Attach guide rope(s) to stokes ☐ Retrieve two rope bags and hand ☐ Safety check system from tip of ladder to Stokes to crew member at turntable ☐ Place "Stokes operation" ☐ Operate guide rope to keep Stokes equipment bag on turntable in desired position ☐ Retain both rope ends while ladder is moving

- ☐ Once ladder is in place, remove Stokes litter from rear compartment and attach pre-rig to ropes
- Monitor operation for safety and effectiveness

