

EVOLUTION:	Aerial Approach	, Position, Engage and Stab	ilize Operation	IS	
SUMMARY:	MARY: Demonstrates apparatus positioning and deployment of aerial device				
NOTES:					
	TASK	STEPS:			
	e considerations, potential ha aratus – "6-sided direction ch	zards, and necessary operation	nal information l	pefore	
2. Positions appara		ands and information provide	d (testing depart	ment	
± /	specific) 3. Apparatus position and placement is satisfactory to achieve the required target objective				
	4. Places transmission in neutral				
7. Engages Aerial					
	PTO for power transfer				
9. Confirms Aeria		:			
	ges, indicators, and safety de	before stabilizer deployment			
	ratus using portable stabilizer	1 2			
		is and ensures that the slope (s	side-to-side or la	teral) a	nd
		neters are within the green ma		,	
	s into stabilized position utiliz				
	CRITIC	AL FAILS:			
	steps in a safe and effective n	nanner			
☐ Interruption in fl	uidity of motion				
	OVERAL	L RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	REFE	RENCES:			
STANDARD:	6.2.1 & 6.2.2 (NFPA 1002,	2017 Edition)			
CMCB/JPR'S:	A1				
SOG'S:					



EVOLUTION:	Aerial Deploy	ment: Raise, Rotated, Extend	l, and Lay-In		
SUMMARY:	Demonstrates raising, rotat (Truck or Tower)	emonstrates raising, rotating, and extending arial device to designated target Truck or Tower)			
NOTES:					
	TASI	K STEPS:			
positioning app 2. Confirms that s operation 3. Raises aerial ap 4. Rotates aerial a 5. Extends aerial a within manufac 6. Moves the aeria during this step 7. Activates all sa	aratus – "6-sided direction chabilizers are set and indicator paratus to target area in smooth paratus to target area while apparatus to target area and maturer specifications all device to target keeping the to assure operational safety affety devices and assures climitable control console while a	ors/selectors are activated to allow oth and safe manner continually checking for hazard nonitors load-stress indicators to eladder tip clear and unsupported and avoid apparatus damage.) bing rung alignment perial is in operation	ow safe aerial laces	dder ration i	
☐ Did not perform	CRITICAL FAILS: □ Did not perform in a safe and effective manner				
☐ Interruption in fl	uidity of motion				
	OVERAL	LL RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	REFE	RENCES:			
STANDARD:	STANDARD: 6.2.3 (NFPA 1002, 2017 Edition)				
CMCB/JPR'S:	A-2				
SOG'S:					



EVOLUTION:	Emergency Backup	o Systems Operations – Man	ufacturer Spec	eific	
SUMMARY:	Demonstrates operation em	Demonstrates operation emergency backup systems			
NOTES:		All steps are manufacturer specific. *DFD Repair Shop will determine length of ime the candidate operates emergency system, or may direct verbalization over operation			
	TASI	X STEPS:			
 Assures all mechanical locks are off and confirms ladder can safely be moved Inspects Emergency Hydraulic Pump, Aerial Override Unit, Stabilizer Manual Operation Unit and explains operation Locates and explains emergency overrides located at rear of apparatus above bumper Locates and explains Emergency power switch Locates and explains Hydraulic Diverter Override Controls Locates and explains Stabilizer Manual Operation Buttons Locates and explains Emergency Hydraulic Pump Shows the three locations of Emergency power switches Initiate Aerial Rotation Override (or explains process) * Initiate operation of emergency systems to move ladder back to bedded position (or explains process)* 					
11. miliate statistics		ency systems to retract stabilized CAL FAILS:	or capitalis	proces	5)
☐ Did not perform☐ Interruption in fl	steps in a safe and effective ruidity of motion	manner			
	OVERAL	L RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	REFERENCES:				
STANDARD:	6.2.4 (NFPA 1002, 2017 Ed	lition)			
CMCB/JPR'S:	A3				
SOG'S:					



EVOLUTION:	Produce Ele	evated Master Stream – A	erial Device		
SUMMARY:	=	emonstrates connecting to a water supply and flowing water through and elevated			
NOTES:	All steps are manufacturer s	master stream All steps are manufacturer specific. *Host department will determine length of time the candidate operates emergency system, or may direct verbalization over operation			ime
	TASK	STEPS:			
 Obtains and connects water supply lines to aerial master stream device Places the aerial into Defensive mode for Master Stream use while aerial is bedded Attaches nozzle to the tip of the aerial, "First Fly Section" Assures all aerial master stream device drains are closed after aerial is deployed Raises aerial and rotates to specific target Confirms and reports all safety locks are in place Charges aerial master stream device and flows water Operates monitor controls slowly and smoothly Checks all gauges and meters according to department standard Advises support pump operator of correct aerial intake pressure, per DFD Pump Chart 200 psi is required at the bumper of a Truck/Tower Monitors water stream quality, location, flow, weather, load factors, general scene safety and reports periodically to aerial officer (Evaluator) CRITICAL FAILS:					
□ Did not perform□ Interruption in fl	steps in a safe and effective mudity of motion	lamici			
	OVERALI	L RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	REFERENCES:				
STANDARD:	6.2.5 (NFPA 1002, 2017 Edi	ition)			
CMCB/JPR'S:	A4				
SOG'S:					



EVOLUTION:		Aerial Startup Procedure			
SUMMARY:	SUMMARY: Demonstrates the ability to safely start the apparatus, activate the aerial and generator				
NOTES:	NOTES:				
	TASK	STEPS:			
1. Enters the Cab					
2. Sets parking bra	ake				
3. Turns battery as	nd ignition on				
4. Allows gauges	to cycle through self test				
5. Starts engine					
6. Allows the gaug	ges to run through a second tes	st			
7. Checks and reco	ords gauges on dashboard				
a. Check of	oil gauge – 25 psi at idle, 50 ps	i at high idle			
b. Check v	vater temperature – 180-200 d	egrees F			
c. Check v	volt meter – 13.9 volts				
d. Check f	uel gauge – above ¾ tank				
	lef gauge – above ½ tank				
	RPM gauge – approx. 700 rpm	at idle			
1 1	itus for aerial deployment				
9. Sets front whee					
10. Activate "Gen I					
	green "Gen PTO" light activat				
	green "Gen PTO Engaged" lig	ght activates			
	RPMs increase for high idle				
_	ower to auxiliary systems – flo	-	s, cord reels		
	Manager" switch is activated a	_			
	12. Activates "Aerial Master" switch and green light is on				
13. Activates "Aeri	al PTO" switch and green ligh	it is on			
	CRITICA	AL FAILS:			
☐ Did not perform☐ Interruption in fl	steps in a safe and effective m	anner			
interruption in it	•	L RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
	I KIIVI.	SIGN.	DAIE.	1	1,
ENGINEER:					
EVALUATOR:					
	REFERENCES:				
STANDARD:					

CMCB/JPR'S:	
SOG'S:	



EVOLUTION:	Aerial Shutdown Procedure
SUMMARY:	Demonstrates the ability to safely stow stabilizers, disable aerial and prepare for road use
NOTES:	

TASK STEPS:

- 1. Bedding the aerial and preparing for road use
- 2. Checks waterway drain is open and drained
- 3. Before operation checks the intended path of the aerial
 - a. Overhead obstructions
 - b. Personnel
 - c. Objects on and around the apparatus that may impede the movement of the aerial
- 4. Reverses deployment of aerial
- 5. Elevate away from objective
- 6. Retract aerial fully
 - a. Monitors pressure gauge until pressure builds
- 7. Rotate aerial until aligned with cradle
 - a. Monitors in-line indicators on turntable
 - b. When indicator on frame and indicator on turntable align the aerial is positioned above cradle
- 8. Lower aerial to cradle
 - a. Checks no obstructions are beneath aerial
 - b. Turns high idle off
 - c. Lowers aerial to 1 foot above cradle
 - d. Verifies aerial is properly aligned on both sides
 - e. Bed aerial into cradle
 - i. Checks "Hydraulic System Pressure" gauge reads 2000 psi
 - ii. 2000 psi ensures ladder will remain bedded during road use
- 9. Stowing Stabilizers
- 10. Stow both turntable ladders
- 11. Unlock the stabilizer by manufacturers recommendations (holding valves, interlock feature, safety pins or combination of any features)
- 12. Ensure all personnel and equipment is clear of the stabilizers
- 13. Raise stabilizers
- 14. Stow stabilizers to their appropriate stored location
- 15. Inspect stabilizer panels
 - a. Ensures 4 green lights of for each side 8 total on two control panels
 - b. Each green light off represents interlock is disengaged

c. When all lights are off, power transferred from aerial to apparatus for road use 16. Ensure weight is transferred from stabilizers to suspension 17. Stows ground pads in their appropriate stored location 18. Ensure all tools and equipment are stowed in the proper location 19. Ensure all compartment doors, slide out platforms, safety bars, safety chains, etc, are stowed in their appropriate location 20. Enters cab and prepares apparatus for road use 21. Deactivates "Aerial PTO" switch and green light is off 22. Deactivates "Aerial Master" switch and green light is off 23. Deactivates "Gen PTO" switch a. Checks RPMs decrease to idle, and green lights are off 24. Releases front wheel brake 25. States vehicle is ready for road use **CRITICAL FAILS:** □ Did not perform steps in a safe and effective manner ☐ Interruption in fluidity of motion **OVERALL RESULTS:** \mathbf{F} ROLE: **PRINT:** SIGN: **DATE:** P **ENGINEER: EVALUATOR: REFERENCES: STANDARD:**

CMCB/JPR'S:

SOG'S:



EVOLUTION:	EVOLUTION: Truck/Tower Aerial Device Deployment for Window Rescue				
SUMMARY:	SUMMARY:				
NOTES:	NOTES:				
	TASK	STEPS:			
2. Prepares aerial: 3. Completes aerial: 4. Ensure Placeme a. Turntab b. Tip of a c. Tip of a c. Tip of a 5. Check the inter 6. Explains order o a. Raise-th for the a b. Rotate- for the a c. Extend- speed fo d. Lower-t and 6-9 7. Checks "Rung 8. Refers to aerial 9. Clears firefight 10. Completes aeria	ne aerial device in a safe, smooth pplication to the desired heighthe aerial device in a smooth, application until the tip of the of the aerial device in a safe, smooth application slightly above the aerial device to the objective inches from the Windowsill Alignment" per JPR A-2 load chart for proper ladder at the safely climb the aerial land shutdown procedures per JPR and procedures p	for a "Window Rescue" ow, when possible e Windowsill for obstructions "6-sided direct oth efficient operation using that for the Window and efficient operation using the device is in line with the Window ooth, and efficient operation use the Window we in a safe, smooth, and efficient ond tip loads per JPR A-2 adder R A-11 AL FAILS:	ne correct engin he correct engir low sing the correct	ne spee	d
☐ Interruption in fl		DECIH TC.			
DO:		L RESULTS:	D	T _	_
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	REFER	RENCES:			
STANDARD:					
CMCB/JPR'S:					

SOG'S:	



Driver Operator Truck/Tower Performance Evaluation

A-13, Aerial Deployment for Roof Operations



EVOLUTION:	Aerial	Deployment for Roof Opera	tions		
SUMMARY:					
NOTES:					
	TASI	K STEPS:			
1. Completes appa	ratus startup procedure per J	PR A-10			
	for deployment per JPR A-1				
	al deployment per JPR A-2				
4. Check the inten					
5. Explains order					
		efficient operation using the co	rrect engine spe	ed for	
	to the desired height for the l				
		efficient operation using the co	orrect engine sp	eed for	r
	until the tip of the device is i				
		, and efficient operation using t	the correct engin	ne spe	ed
	on slightly above the Roof				
		n a safe, smooth, and efficient of	operation, 12-18	ınche	S
	nded 5 rungs passed Roofline				
	Alignment" per JPR A-2	and tin loads IDD A 2			
	load chart for proper ladder	-			
	ers to safely climb the aerial al shutdown procedures per J				
13. Completes acris		CAL FAILS:			
14 Did not perform	steps in a safe and effective				
15. Interruption in fl		mamici			
13. Interruption in I		L RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	REFE	RENCES:			
STANDARD:					
CMCB/JPR'S:					
SOG'S:					



EVOLUTION:	EVOLUTION: Aerial Deployment for Window Ventilation				
SUMMARY:	SUMMARY:				
NOTES:					
	TASI	K STEPS:			
 Prepares aerial Completes aerial Ensure Placeme Turntab Tip of a Tip of a Check the interest of the action of the action	erial even with top of the Winderial is within 6-9 inches of the ded path of the aerial device of deployment the aerial device in a safe, supplication to the desired heighthe aerial device in a smooth, application until the tip of the the aerial device in a safe, smooth aerial device in a safe, smooth aerial device in a safe, smooth aerial device to the object erial 6-9 inches from the side Alignment" per JPR A-2 load chart for proper ladder ers to safely climb the aerial al shutdown procedures per JCRITIC steps in a safe and effective residence of the safe and ef	e for "Window Ventilation" windward side of the Window, window he side of the building for obstructions "6-sided direct mooth efficient operation using that for the Window to be ventilal, and efficient operation using the device is in line with the window to the Window ive in a safe, smooth, and efficient of the building and tip loads per JPR A-2 ladder PR A-11	tion check" the correct engine correct engine vard side of the ing the correct engine correct en	e spee Windo	d ow
	OVERAL	L RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	Revised	103-21-2022		Page	1 of 2

	REFERENCES:
STANDARD:	
CMCB/JPR'S:	
SOG'S:	



EVOLUTION:	SERPENTINE CONE COURSE					
SUMMARY:	Perform a Practical driving e	Perform a Practical driving exercise without striking the obstructions				
NOTES:						
	TASK	STEPS:				
 Drive along the The distance be Stop when the t This last(3rd) c Back in a serpe pass the first (1 End the maneur Do not to touch through the course on both sides of Did not perform	st stay within the 35ft. bounda f the three cones) CRITICA in a safe and effective manner	nes in a serpentine manner of the vehicle en with the last (3rd) cone in the hicle le (2nd) cone on the right side wehicle e maneuver began e vehicle pass over the cones ary that is parallel to the row of AL FAILS:	of the vehicle a	acks	,	
☐ Interruption in fl						
	OVERALI	L RESULTS:				
ROLE:	PRINT:	SIGN:	DATE:	P	F	
ENGINEER:						
EVALUATOR:						
	REFER	RENCES:				
STANDARD:						
CMCB/JPR'S:	DO6					
SOCIE.						



EVOLUTION:	CONFINED SPACE TURNAROUND					
SUMMARY:	Perform a Practical driving	exercise without leaving the	course boundarie	S		
NOTES:						
	TASI	K STEPS:				
leaving bounda 2. The driver/ ope degrees and rett 3. A backer will b	ries rator enters a 12-foot opening urns though the same 12-foot e used for this exercise as a s	e apparatus 180 degrees in a c g in a 50 foot by 100-foot area copening safety. The backer will not dir erator if they deem a safety is	a, turns the appara	atus 18		
	CRITIC	CAL FAILS:				
☐ Did not perform☐ Interruption in fl	steps in a safe and effective a uidity of motion	manner				
	OVERAL	LL RESULTS:				
ROLE:	PRINT:	SIGN:	DATE:	P	F	
ENGINEER:						
EVALUATOR:						
	REFE	RENCES:				
STANDARD:						
CMCB/JPR'S:	DO7					
SOG'S:						



EVOLUTION:	DIMINISHING CLEARANCE					
SUMMARY:	Perform a Practical driving e	xercise without striking ob	jects or leaving co	ourse.		
NOTES:						
	TASK	STEPS:				
distances from 2. The speed at who wider than the a 5. The driver/oper 6. At point 50 feet within 6 inches	neasures a driver/operator's abin wheel to object, and to stop at a hich the vehicle is driven is optorcise quick judgement without this exercise is arranged by two was from a width of twelve (12) apparatus. The table of the last stanchion, the of the finish line/stanchion by be adjusted for larger vehicles.	a finish line ional but should be fast en coming to a complete stop orows of stanchions that for inches wider than the appartus through this lane withough this lane withough the driver operator must stop	ough to require the orm a lane 75 feet laratus to four (4) in out touching stanch	e driver long. nches		
	CRITICA	AL FAILS:				
☐ Did not perform☐ Interruption in fl	in a safe and effective manner uidity of motion					
	OVERALL	RESULTS:				
ROLE:	PRINT:	SIGN:	DATE:	P	F	
ENGINEER:						
EVALUATOR:						
	REFER	ENCES:				
STANDARD:						
CMCB/JPR'S:	DO8					
SOG'S:						



EVOLUTION:		ALLEY DOCK					
SUMMARY:	Perform a Practical driving	g exercise to simulate backing	into an Alley doo	ck			
NOTES:							
	TAS	K STEPS:					
 The member will be vehicle by 50 feet at 3. For the initial setup During the backing as necessary to parl The member will be 	and then back into the test are, you will be required to post phase of this maneuver, the contract of the contract of the test are properties.	lated alley on the driver's side	f a "limit" line. oring, you may cre the clearance line	oss it			
or cones.	CRITI	CAL FAILS:					
☐ Did not perform☐ Interruption in fl	steps in a safe and effective uidity of motion	manner					
	OVERA	LL RESULTS:					
ROLE:	PRINT:	SIGN:	DATE:	P	F		
ENGINEER:							
EVALUATOR:							
	REFI	ERENCES:					
STANDARD:							
CMCB/JPR'S:	DO5						
SOG'S:							



EVOLUTION:	Engage Pump from	Engage Pump from the Cab, Produce Stream and Water Supply Transition				
SUMMARY:	Demonstrates engaging pum water supply	p, flowing water from 1 3/4" h	andline, and esta	blishi	ng a	
NOTES:						
	TASK	STEPS:				
2. Sets parking by 3. Transfers power 4. Checks dash gas engagement 5. Inspects pump p 6. Confirms the pp 7. Places transfer a. "Pressur b. "Volum 8. Opens tank to p 9. Opens hand lin nozzle at 10. Ensures pressur 11. Monitors pump 12. Turns hydrant 13. Transfers from 14. Acts to limit ch 15. Maintains fire *Evaluator sha 16. Checks & verb	the valve, sets proper pump preservative, sets proper pump preservations of panel gauges and tank water on and bleeds air from source tank water to external water shanges in discharge pressure deflow during change over proceed the static pressure ally reports the static pressure safe and proper pump shut-downstatic pressure safe safe and proper pump shut-downstatic pressure safe safe safe safe safe safe safe saf	e der engines with two stage pune pump capacity al to 70% of the pump capacit sure and governor (Supply ge pressure and sets to that prolevel intake upply uring change over (+ or – 30 press and refills tank efly when requested of water supply wn when directed	correct pump ge , confirms pump mps) y " hand line v essure			
	CRITICA	AL FAILS:				
☐ Did not perform☐ Interruption in fl	steps in a safe and effective mudity of motion	anner				
	OVERALI	RESULTS:				
ROLE:	PRINT:	SIGN:	DATE:	P	F	
ENGINEER:						
EVALUATOR:						
	REFER	RENCES:				
STANDARD:	5.2.3 & 5.2.4 (NFPA 1002, 2	017 Edition)				

CMCB/JPR'S:	P1
sog's:	



EVOLUTION:	Produce Additional	Produce Additional Hand Line Using an Established Hydrant Supply						
SUMMARY:	Demonstrates opening add	itional hand line with an establi	ished water supp	oly				
NOTES:								
	TAS	K STEPS:						
 Confirms the property of the prop	re" flowing less than 70% of e" flowing greater than or exe valve and sets proper pump? hand line with nozzl re governor recognizes higher tion by flowing water from last pressure (write answer here reports available water ere:) panel gauges rafe and proper pump shut-desteps in a safe and effective	ode older engines with two stage purithe pump capacity qual to 70% of the pump capacity opressure e at' long) est discharge pressure and sets to hand line e:)	ty					
1	•	LL RESULTS:						
ROLE:	PRINT:	SIGN:	DATE:	P	F			
ENGINEER:								
EVALUATOR:								
	REFI	ERENCES:						
STANDARD:	5.2.4 (NFPA 1002, 2017 E	dition)						
CMCB/JPR'S:	P2							
SOG'S:								



EVOLUTION:	Supply Water to a	Supply Water to a Sprinkler System Using an Established Water Supply						
SUMMARY:	Demonstrates connecting to	a sprinkler system and flow	ving water					
NOTES:								
	TASI	K STEPS:						
 Opens hydrant, (write answer h Connects a min Confirms the property Places transfer of the confirms of the property Slowly opens down Ensures pressur Reports residua Monitors pump 	imum of two 3" supply lines ressure governor is in RPM no valve into volume (older englischarge valves, sets pressure governor recognizes higher 1 pressure (write answer here	node ines with two stage pumps) es to 150 psi est discharge pressure and set est discharge pressure and set	s to that pressure					
	CRITIC	CAL FAILS:						
□ Did not perform□ Interruption in fl	steps in a safe and effective a uidity of motion	nanner						
	OVERAL	L RESULTS:						
ROLE:	PRINT:	SIGN:	DATE:	P	F			
ENGINEER:								
EVALUATOR:								
	REFE	RENCES:						
STANDARD:	5.2.7 (NFPA 1002, 2017 Ed	lition)						
CMCB/JPR'S:	Р3							
SOG'S:								



EVOLUTION:	Supply Water to a Standpipe System Using an Established Water Supply					
SUMMARY:	Demonstrates connecting to a standpipe system and flowing water					
NOTES:						
	TASK	STEPS:				
 Connects a min on opening of F Confirms the pr Places transfer f Charges supply Lashes supply I Calculates the a level, and interial a. States, excalculate (Supply	ressure governor is in PSI mode valve into pressure (older engilines at idle engine speed, with ines together with webbing (tippropriate discharge pressure or hand line(s) to be supplied engineers are directed to pumpitions, in fire pump equipped by a "supply lines with FDC coly" hand line(s) with ischarge valves and sets pressure governor recognizes highest supply from Second-arriving tank water to incoming water overnor from PSI mode to RPI panel gauges afe and proper pump shut-down	th apparatus in pump gear me permitting) for the supply hose length, FI to the top floor utilizing the I uildings onnection at' long h nozzle at ures per department standard t discharge pressure and sets to Engine Company (or simulate supply, and opens tank refill with mode M mode	DC connection, DFD pump char g,numb' long) of that pressure the by opening hy	to roof t for er of		
	CRITIC	AL FAILS:				
□ Did not perform□ Interruption in fl	steps in a safe and effective mudity of motion	nanner				
	OVERAL	L RESULTS:				
ROLE:	PRINT:	SIGN:	DATE:	P	F	
ENGINEER:						
EVALUATOR:						
	REFEI	RENCES:				
STANDARD:	5.2.7 (NFPA 1002, 2017 Ed	ition)				
CMCB/JPR'S:	P4					

SOG'S:	



EVOLUTION:	Produce Master Stream Using an Established Water Supply				
SUMMARY:	Demonstrates connecting	to a Master Stream Device and	flowing water		
NOTES:					
	TAS	SK STEPS:			
 Opens hydrant (write pressure Confirms the property of the property of the pressure of the property of the pressure of the pressure	re" flowing less than 70% of e" flowing greater than or e ischarge valves and sets promaster stream with	node (older engines with two stage put f the pump capacity equal to 70% of the pump capacity exper pressure(s)X"hose lines and harge pressure and sets to that put	tip at	,	
111 1100 cmp nonco		CAL FAILS:			
☐ Did not perform☐ Interruption in f	steps in a safe and effective uidity of motion	e manner			
	OVERA	LL RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	REF	ERENCES:			
STANDARD:	5.2.4 (NFPA 1002, 2017 B	Edition)			
CMCB/JPR'S:	P5				
SOG'S:					



EVOLUTION:	Operate Pum	per as Source Unit in Relay	Operation				
SUMMARY:	Demonstrates connecting to a relay operation	Demonstrates connecting to a water supply and flowing water as a source pumper in					
NOTES:							
	TASK	STEPS:					
1. Verbalizes prop	per relay / pump sequence						
		(s), and Inline Engines work co	nsecutively to s	supply	7		
the Atta	ck Engine	_	-				
Confirms parkir	ng brake and wheel chocks as	required					
3. Confirms the pr	ressure governor is in RPM mo	ode					
	valve into volume (older engin	es with two stage pumps)					
	and reports static pressure						
(write pressure							
		minimum of two 3" supply line	es				
	engine is ready and opens disc	•					
	arge pressure as per DFD Pun						
	nimum of 20 psi intake pressur						
11. Reports residua	relay and ensures pressure go	vernor is in Krivi mode					
(write pressure	-						
` _	reports available water						
(write answers	-						
13. Monitors pump	,						
14. Verbalizes corre	ect scene to source relay / pum	p operations shutdown process	S				
a. Attack l	Engine disengages pump first,	then Inline Engines disengage	pumps consecu	tively			
towards	the Source Engine, and the So	ource Engine disengages its pur	mp last				
		AL FAILS:					
•	steps in a safe and effective m	anner					
☐ Interruption in fl		DECLIE EC					
		L RESULTS:			1		
ROLE:	PRINT:	SIGN:	DATE:	P	F		
ENGINEER:							
EVALUATOR:							
	REFER	RENCES:					
STANDARD:	5.2.5 (NFPA 1002, 2017 Edi	tion)					
CMCB/JPR'S:	P6						

SOG'S:	



EVOLUTION:	Produce F	Produce Fire Stream from Draft Water Source					
SUMMARY:	Demonstrates drafting water	Demonstrates drafting water from a static water source					
NOTES:							
	TASI	K STEPS:					
 Primes pump, s Increases thrott Slowly opens d Produces fire st Sets pressure re Maintains minis Monitors pump Verbalizes prop Did not perform	ream from outlet # () as delief device / governor mum of 50 psi discharge prespanel gauges per process for drafting / pumpor CRITIC steps in a safe and effective response of the steps in a safe and effective response.	prime 30 secs) ed irected sure p operations shut-down CAL FAILS:					
☐ Interruption in fl	-						
	OVERAL	L RESULTS:					
ROLE:	PRINT:	SIGN:	DATE:	P	F		
ENGINEER:							
EVALUATOR:							
	REFE	RENCES:	·				
STANDARD:	5.2.4 (NFPA 1002, 2017 Ed	lition)					
CMCB/JPR'S:	P7						
SOG'S:							



EVOLUTION:	Produce Foam I	Produce Foam Fire Stream w/ Foam-Producing Equipment					
SUMMARY:	Demonstrates flowing foan	emonstrates flowing foam through foam-producing equipment					
NOTES:							
	TASI	K STEPS:					
 Selects correct; Verbalizes prop Verbalizes max Determines noz Closes circulati Opens discharg Sets pressure re Confirms foam Monitors foam Monitors pump 	e, sets correct discharge pres lief device / governor stream through foam-produc supply and water tank level panel gauges	g equipment provided ure for equipment in use or hose size sure: psi					
12. Completes safe	and proper shutdown CRITIC	CAL FAILS:					
☐ Did not perform☐ Interruption in fl	steps in a safe and effective i						
	OVERAL	LL RESULTS:					
ROLE:	PRINT:	SIGN:	DATE:	P	F		
ENGINEER:							
EVALUATOR:							
	REFE	RENCES:					
STANDARD:	5.2.6 (NFPA 1002, 2017 Ed	dition)					
CMCB/JPR'S:	P8						
SOG'S:							



EVOLUTION:		Perform Routine Test, Inspections and Service Functions for Water Tank, Pumping Systems and Foam (if applicable)					
SUMMARY:	Demonstrates daily inspection	Demonstrates daily inspection of water tank, foam tank, and pumping systems					
NOTES:							
	TASK	STEPS:					
 3. Inspects foam t 4. Inspects all pun 5. Checks pressur 6. Checks transfer 7. Confirms all pun 8. Open and close 	evel in water tank with visual ank for proper fill level up panel controls and indicator e governor is ready and at idle valve is in pressure (older engap drains are closed all valves to ensure smooth of CRITIC. steps in a safe and effective manner of the control of the cont	rs to confirm all in proper versions with two stage pumps) peration AL FAILS:	vorking condition				
	-	L RESULTS:					
ROLE:	PRINT:	SIGN:	DATE:	P	F		
ENGINEER:							
EVALUATOR:							
	REFE	RENCES:					
STANDARD:	5.1.2 (NFPA 1002, 2017 Edi	tion)					
CMCB/JPR'S:	P9						
SOC'S:							



EVOLUTION: Engine Start-Up and Placing into Pump Gear Procedures							
SUMMARY:	Demonstrates the ability to safely start the apparatus, place into pump gear, activate						
SUMINIARY:	the pressure governor, and o	perate the transfer valve					
NOTES:							
	TASK	STEPS:					
1. Enters the Cab							
Confirms parkir	ng brake set						
Turns battery ar	nd ignition on						
4. Allows gauges	to cycle through self-test						
5. Starts engine							
	ges to run through a second tes	st					
	ords gauges on dashboard						
	oil gauge – 25 psi at idle, 50 ps						
	vater temperature – 180-200 d	egrees F					
	voltmeter – 13.9 volts						
	uel gauge – above ¾ tank						
	lef gauge – above ½ tank	-4:41 ₋					
	RPM gauge – approx. 700 rpm						
	sion into neutral and apparatus switch engages apparatus into						
	ransfer switch into middle pos						
	use places switch into down p						
	s truck transmission into Drive						
	Checks that the speedometer re						
	Pump Engaged" light is on	eads approx. 13 mpn					
_	OK to Pump" light is on						
12. Exits cab of app	1 0						
- 11		AL FAILS:					
☐ Did not perform	steps in a safe and effective m	anner					
☐ Interruption in fl	=						
	OVERALI	L RESULTS:					
ROLE:	PRINT:	SIGN:	DATE:	P	F		
ENGINEER:							
EVALUATOR:							
	REFER	RENCES:					
STANDARD:							

CMCB/JPR'S:	
SOG'S:	



P-11

EVOLUTION:	Monitoring Pump Panel		
SUMMARY:	Demonstrates the ability to correctly operate and monitor all gauges, valves, and systems on the engine pump panel.		
NOTES:			
TACK OTEDO.			

TASK STEPS:

- 1. Inspects Pump Panel (start in top left corner, working from left to right)
- 2. Checks water tank level
 - a. Checks tank reads full at 500 gallons
 - b. Checks for leaks
- 3. Checks foam tank level
 - a. Checks tank reads full at 30 gallons
 - b. Checks that eductor is off
 - c. Checks that percentage dial is in off position
- 4. Checks gauges on engine info panel (should mirror readings inside cab)
 - a. Checks oil gauge 25 psi at idle, 50 psi at high idle
 - b. Checks water temperature 180-200 degrees F
 - c. Checks volt meter 13.9 volts
 - d. Checks fuel gauge above ¾ tank
 - e. Check RPM gauge approx. 700 rpm at idle
 - i. Check warning light indicator for each gauge is off
- 5. Checks pressure governor
 - a. Checks green indicator light
 - i. "Pump engaged"
 - ii. "Okay to pump"
 - iii. "Throttle ready"
 - b. Checks digital display is operating and easy to read
 - c. Checks pump mode
 - i. PSI mode
 - 1. "Attack Engine" pumps in PSI mode
 - 2. Explains that safety features are engaged in PSI mode
 - 3. Engages pressure governor, monitors discharge pressure within (+ or 5 psi)
 - 4. Used when supplying handlines and master streams
 - 5. Explains the pressure is regulated to 300 PSI max
 - a. If exceeds 300 psi for 5 seconds, psi mode will disengage, and the engine will go to idle
 - b. Prevents water demand from overcoming the water supply and cavitating the pump
 - ii. RPM mode
 - 1. "Supply Engine" pumps in RPM mode
 - 2. Explains that safety features are disengaged in RPM mode
 - 3. Operates pump pressure, based on engine RPMs

- 4. Pressure governor is disengaged
- d. Checks light indicators are green for battery, water temperature, and oil pressure
- e. Checks Light on side of display panel is green "Do Not Open Throttle Unless Light Is ON"
- 6. Checks switch panel
 - a. Checks "Panel Lights" switch is on
 - b. Checks "OK to Pump" light is on and green
 - c. Checks "Driver Side Floodlight" switch operates and is green when on, leave in off position, unless needed
 - d. Checks "Passenger Side Floodlight" switch operates and is green when on, leave in the off position, unless needed
- 7. Checks Engine Cooler dial is in the open position, and can rotate smoothly
- 8. Checks "Tank To Pump" gate valve and pulls to the open position
- 9. Checks "Tank Fill & Re-Circulating Line" gate valve, and pulls to the open position
- 10. Checks air primer
- 11. Checks engine is running at 1000 RPMs while priming for enhanced performance
- 12. Operates primer in "Auto Prime", green light activates and works to maintain prime
- 13. Operates manual "Prime"
 - a. Check primer is working by sound of activation
 - b. Check primer is working by visually seeing water being discharged under engine as prime is created
- 14. Inspects "Waterous" Pump overheat warning light with push to test button
- 15. Checks Transfer valve (older engines with two stage pumps)
 - a. Frontline engines come with 1500 gpm pumps
 - b. Switch between "Pressure" mode and "Volume" mode while the engine is at idle
 - c. "Pressure"
 - i. Engine starts in pressure mode
 - ii. Pump in pressure mode when flowing less than 70% of the pump capacity (1050 total gpm)
 - d. "Volume"
 - i. Pump in volume mode when flowing greater than 70% of the pump capacity (1050 total gpm)

1 /	D 1		• .1		• 1
16	Records	gallges	with	orease	nencil

16. Records gauges	with grease pench				
	CRITICA	AL FAILS:			
□ Did not perform s□ Interruption in flu	teps in a safe and effective midity of motion	anner			
	OVERALI	L RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
·	REFER	RENCES:			
STANDARD:					
CMCB/JPR'S:					
SOG'S:					



P-12

EVOLUTION:	
SUMMARY:	Demonstrates the ability to shut down pumping operations and place apparatus back into Service
NOTES:	

TASK STEPS:

- 1. Checks pressure governor
 - a. Places pressure governor at idle
 - b. Checks lights for "PSI" mode and "RPM" mode are off
- 2. Checks Pump Panel (start in top left corner, working from left to right)
 - a. Checks water tank level is full
 - b. Checks foam tank level is full
 - c. Checks gauges on engine info panel
 - i. Checks oil pressure
 - 1. 25 psi at idle, 50 psi at high idle
 - ii. Checks system for overheating
 - 1. Water temperature 180-200 degrees F
 - iii. Checks volt meter
 - 1. 13.9 volts
 - iv. Checks fuel gauge is above 3/4 tank
 - v. Checks RPM gauge is 700 rpm at idle
- 3. Turns of "Panel Lights" switch off
- 4. Places Engine cooler is in closed position
- 5. Checks "Tank To Pump" gate valve is closed
- 6. Checks "Tank Fill & Re-Circulating Line" gate valve is closed
- 7. Closes all discharge valves
- 8. Closes all intake valves
- 9. Opens all drain valves to discharges to relieve pressure from hose lines
 - a. Disconnects all discharge hose lines
- 10. Shuts down hydrant water supply
- 11. Opens all drain and bleeder valves for intakes to relieve pressure from hose lines
 - a. Disconnects all intake hose lines
- 12. Places transfer valve into pressure mode (older engines with two stage pumps)
- 13. Closes all drain valves and bleeder valves
- 14. Replaces all discharge and intake caps
- 15. Enters the cab
- 16. Fastens seat belt
- 17. Places apparatus transmission into Neutral
 - a. Checks that the speedometer reads 0 mph
- 18. Places transfer switch into middle position and pause
- 19. After pause places switch into upper position "Pump To Road"
- 20. Checks and records gauges on dashboard

a. Check oil gauge – 25 psi at idle, 50 psi at high idle b. Check water temperature – 180-200 degrees F c. Check volt meter – 13.9 volts d. Check fuel gauge – above ¾ tank e. Check def gauge – above ½ tank f. Check RPM gauge – approx. 700 rpm at idle 21. Verifies gauges match reading of gauges on engine info panel 22. Completes a 360 walk-around the apparatus a. Checks all hose and equipment is placed back on apparatus b. Checks all cabinets are closed c. Checks that nothing is on bumpers or underneath apparatus 23. States, vehicle is ready for road use **CRITICAL FAILS:** ☐ Did not perform steps in a safe and effective manner ☐ Interruption in fluidity of motion **OVERALL RESULTS:** P F **ROLE:** PRINT: SIGN: DATE: ENGINEER: **EVALUATOR: REFERENCES: STANDARD:** CMCB/JPR'S: SOG'S:



P-13

DENVER FIRE DEPARTMENT

ENGINEER JPR

EVOLUTION:	Hydrant Connection and Establishing a Water Supply
SUMMARY:	Demonstrate the ability to safely and efficiently make engine connections for water supply from a hydrant, and perform a transfer from tank to external water supply (Hydrant)
NOTES:	Size 12, Delete

TASK STEPS:

- 1. Completes apparatus startup procedure per JPR P-10
- 2. Drives to and positions the "Attack Engine" at hydrant
- 3. Places apparatus into pump gear per JPR P-10
- 4. Inspects Pump Panel (start in top left corner, working from left to right) per JPR P-11
 - a. Records gauges with grease pencil
- 5. Ensures water is flowing from one predetermined 1 ³/₄" handline, at the appropriate pressure
- 6. Chooses appropriate supply line with enough length to reach "Attack Engine" intake and hydrant outlet
 - a. Uses one 5" supply line minimum
- 7. Connects supply lines to hydrant
- 8. Makes connections to appropriate intake of "Attack Engine"
- 9. Opens hydrant slowly
 - a. Allow supply lines to completely fill, before fully opening the hydrant
 - b. Checks for and corrects kinks in supply line
- 10. Opens bleeder valve for correct intake
 - a. Bleed off air and close when air is no longer showing
- 11. Slowly opens intake valve while monitoring discharge pressure (+ or -30 psi)
 - a. Pressure governor will activate with increase of pressure from introducing water supply
 - b. Listens and monitors engine RPMs while introducing external water supply
 - c. Checks that RPMs decrease when pressure governor activates
- 12. Opens "Tank Fill & Re-Circulating Line" valve
- 13. Identify residual pressure
 - a. Mark residual pressure with grease pencil
 - b. 0 10% Static to Residual Drop = Add 3 Times currant GPM Output
 - c. 11 15% Static to Residual Drop = Add 2 Times currant GPM Output
 - d. 16 20% Static to Residual Drop = Add 1 Times currant GPM Output
- 14. Checks gauge of handline being supplied for appropriate pressure (+ or 5 PSI)
- 15. Close "Tank Fill & Re-Circulating Line" valve after tank display shows full
- 16. Ensures pressure governor recognizes discharge pressure and sets to that pressure
 - a. Checks pressure governor is in correct mode per JPR P-11
- 17. Ensures Transfer valve is in appropriate mode (older engines with two stage pumps) per JPR P-11

CRITICAL FAILS:

Did not perform steps in a safe and effective manner

☐ Interruption in fluidit	y of motion				
	OVERALI	RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
	REFER	RENCES:			
STANDARD:					
CMCB/JPR'S:					
SOG'S:					



EVOLUTION:	Humat Valve Operation "Going To Work At The Plug"
SUMMARY:	Demonstrates the ability of connecting to a Humat Valve and boosting a "Attack Engine" pressure without interrupting Fire Attack
NOTES:	Size 12, Delete

TASK STEPS:

- 1. Completes apparatus startup procedure per JPR P-10
- 2. Drives to and positions the "Supply Engine" at hydrant, with humat valve connected and supplying an "Attack Engine"
- 3. Places apparatus into pump gear per JPR P-10
- 4. Inspects Pump Panel (start in top left corner, working from left to right) per JPR P-11
 - a. Records gauges with grease pencil
- 5. Chooses appropriate supply line with enough length to reach the "Supply Engine" intake and humat valve outlet
 - a. Uses 5" hose for supply line
- 6. Chooses appropriate discharge line with enough length to reach humat intake from "Supply Engine" discharge
 - a. Uses 3" hose for supply line to humat valve
- 7. Attaches 3" hose to Appropriate Discharge on engine and to the 2 1/2" connection on Humat valve intake
- 8. Attaches 5" hose to appropriate "Supply Engine" intake
- 9. Opens 5" valve on humat valve slowly
 - a. Allow supply lines to completely fill, before fully opening the hydrant
- 10. Opens bleeder valve for correct intake
 - a. Bleed off air and close when air is no longer showing
- 11. Opens 5" intake
- 12. Checks for and removes any kinks from all supply lines
- 13. Records residual pressure
- 14. Places pressure governor into "RPM Mode"- "Supply Engine"
 - a. "Supply Engine" always pumps in "RPM Mode"
 - b. Pressure governor is disengaged while in "RPM"
- 15. For engines with a transfer valve (older engines with two stage pumps)
 - a. Ensures transfer valve is in "Volume"
 - b. Switches between "Pressure" mode and "Volume mode while the engine is at idle
 - c. Pump in volume mode when flowing greater than 70% of the pump capacity (1050 total gpm for a 1500gpm pump)
 - d. "Supply Engine" always pumps in volume for full capacity of the pump
- 16. Calculates the appropriate discharge pressure for the supply hose length

 (Supply______3" supply lines at _____' long, with_____ elevation, and maintain an intake pressure of 50 psi for the "Attack Engine" being supplied)

17. Notifies engineer of "Attack Engine" that pressure is ready to be increased 18. Opens discharge supplying 2 ½" intake on humat valve 19. The "Attack Engine" shall receive 20-80 psi intake pressure from the "Supply Engine" a. 50 psi will be the targeted intake pressure to maintain at the Attack Engine 20. Records residual pressure after "Supply Engine" increases pressure a. 0-10% Static to Residual Drop = Add 3 Times currant GPM Output b. 11 - 15% Static to Residual Drop = Add 2 Times currant GPM Output c. 16-20% Static to Residual Drop = Add 1 Times currant GPM Output **CRITICAL FAILS:** ☐ Did not perform steps in a safe and effective manner ☐ Interruption in fluidity of motion **OVERALL RESULTS:** F PRINT: DATE: P ROLE: SIGN: **ENGINEER: EVALUATOR: REFERENCES: STANDARD:** CMCB/JPR'S: SOG'S:



EVOLUTION:	Tapping the Hydrant
SUMMARY:	Demonstrates the ability to effectively connect to all outlets of a Fire Hydrant with supply hose, to "Tap" or take the most amount GPM from a hydrant for water supply
NOTES:	

TASK STEPS:

- 1. Explains "Tapping the Hydrant" requires attaching supply hose from the two 2 ½" outlets and the one 4" outlet of the hydrant to the intakes of the "Supply Engine"
 - a. The purpose of utilizing every outlet, is to "Tap" or take the most amount of GPM from a hydrant with minimal drop in "Residual Pressure"
 - b. Is an adaptor dependent evolution, and combinations can very depending on the inventory of the "Supply Engine"
 - *For the purpose of this evolution, the most basic combination will be deployed*
 - c. Indications and Contraindications of "Tapping the Hydrant"
 - i. Indications
 - 1. Not involved with the Initial Fire Attack
 - 2. Large gpm demand from Fire Attack or potential for the demand to increase (Master Stream deployment, etc...)
 - 3. Operating as a "Supply Engine"
 - 4. Time, gpm needed over speed of establishing water supply (defensive fire)
 - ii. Contraindications
 - 1. Part of the initial Fire Attack
 - 2. Moderate water demand from fire attack (Hand line deployment only)
 - 3. Operating as an "Attack Engine"
 - 4. Time, speed in establishing the water supply over the need for gpm (offensive fire, room and contents, etc...)
- 2. Completes apparatus startup procedure per JPR P-10
- 3. Drives to and positions the "Supply Engine" at hydrant
- 4. Places apparatus into pump gear per JPR P-10
- 5. Inspects Pump Panel (start in top left corner, working from left to right) per JPR P-11
 - a. Records gauges with grease pencil
- 6. Connects 5" supply hose from 4" outlet of hydrant to 4" intake of the "Supply Engine"
- 7. Connects $2\frac{1}{2}$ " gated wye to one of the $2\frac{1}{2}$ " outlets of the hydrant
- 8. Connects two 3" supply lines from gated wye to Siamese adaptor on one 3" intake of the "Supply Engine"
- 9. Connects an additional 3" supply line from the remaining 2 1/2" outlet of the hydrant to the second 3" intake of the "Supply Engine"
- 10. Opens hydrant slowly
 - a. Allow supply lines to completely fill, before fully opening the hydrant

b. Checks t	for and corrects kinks in suppl	ly line			
11. Opens bleeder v	alve for correct intakes				
a. Bleeds o	off air and closes when air is n	o longer showing			
12. Slowly opens 4'	' intake valve while monitoring	ng discharge pressure (+ or – 3	30 psi)		
a. Pressure	governor will activate with in	ncrease of pressure from introd	ducing water sup	oply	
		nile introducing external water		•	
	Ms decrease when pressure go		11.		
14. Opens all additi					
15. Identify static pr					
	atic pressure with grease pend	eil			
	peration static pressure (write				
	* `	"Supply Engine" per JPR P-1	1		
	Engine" always pumps in "R				
	governor is disengaged while				
	h a transfer valve (older engin				
	transfer valve is in "Volume"				
		nd "Volume mode while the er	ngine is at idle		
		greater than 70% of the pump		total	
	a 1500gpm pump)	Brown man / 0 / 0 or mo hamb	corpustion (1000		
		ume for full capacity of the pu	ımn		
	al pressure once water is flow		ap		
	tatic pressure with grease pend				
		d 3 Times currant GPM Outpu	nt		
		dd 2 Times currant GPM Outp			
		dd 1 Times currant GPM Out			
			Pat		
20. Reports residual pressure (write answer here:)21. Determines and reports additional GPMs that can be supplied					
(write answer he	=	can be supplied			
(Write unswer in	,				
22. Checks Pump P	anel (start in top left corner, w	vorking from left to right) per	JPR P-11		
	gauges with grease pencil				
23. Accomplishes s	afe and proper shut-down who	en directed per JPR P-12			
	CRITICA	AL FAILS:			
	steps in a safe and effective m	anner			
25. Interruption in flu	uidity of motion				
	OVERALI	RESULTS:			
ROLE:	PRINT:	SIGN:	DATE:	P	F
ENGINEER:					
EVALUATOR:					
REFERENCES:					
STANDARD:					
CMCB/JPR'S:					
SOG'S:					



EVOLUTION:	CHANGE OVER AT HYDRANT						
SUMMARY: Connect to a hydrant that has a single 3-inch line connected and charged, then boost the attack engine's pressure without interrupting the attack				re			
NOTES: Attack engine has laid two 3-inch lines, one wet off the dog ear, and one d				ry			
	TAS	K STEPS:					
□ Set Emergency □ Open the tank t □ Attach the attace □ Set hose clamp □ Set hydrant wre □ Connect 5" sho the other end no □ Contact Engine operate from yo □ Place transfer y □ Open correct di panel. □ Shut down hyde □ Place hose clam □ Replace 2 ½ ca □ Open hydrant □ Open 5" gate yo □ Attach the attace	ext to the hydrant with the active at attack engine and notificate tank alve in VOLUME and press scharge on YOUR engine attact, connect 5" to hydrant up on wet 3-inch line and disp	pump gear (done) harge e 5" gate valve and make sure the dapter (y) them that you are ready to shurture governor in RPM mode and supply attack engine with 80-seconnect it from the hydrant.	t the hydrant do	own an			
	CRITIC	CAL FAILS:					
☐ Did not perform☐ Interruption in fl	steps in a safe and effective uidity of motion						
ROLE:	PRINT:	SIGN:	DATE:	P	F		
	IMINI.	SIGIV.	DAIL.	-			
ENGINEER:							
EVALUATOR:							
	REFERENCES:						

STANDARD:	
CMCB/JPR'S:	
SOG'S:	



EVOLUTION: Supplying an Aerial Master Stream Using an Established Water St		
SUMMARY:		
NOTES:		
	TASK STEPS:	
1. Completes appa	uratus startup procedure per JPR P-10	
	ositions engine at rear bumper of truck/tower	
a. States m	naximum distance an "Attack Engine" can position from an aerial is 100ft, with (3-4)	
supply 1	ines	
	00 psi is the intake pressure to be maintained at the inlet of the Truck/Tower	
	establish a relay operation per JPR P-6	
4. Places apparatu	s into pump gear per JPR P-10	
5. Inspects Pump	Panel (start in top left corner, working from left to right) per JPR P-11	
	gauges with grease pencil	
	rom water source, established by the relay operation	
7. Identify static p		
	tatic pressure with grease pencil	
	peration static pressure (write pressure here:)	
1 0	overnor to correct mode (PSI mode) per JPR P-11	
	valve in "Volume" at idle (older engines with two stage pumps) per JPR P-11	
	ppropriate discharge pressure for the truck/tower being supplied	
	Tower master stream with size tip(s), withX supply lines at	
la P. C. "DI		
	FD Pump Chart" for Pump Discharge Pressures (PDP) for supply lines to a	
truck/tower mas		
13. Opens the corre	tle to the correct discharge pressure within (+or- 5 psi)	
	e governor sets to correct pressure	
	tion by flowing water from master stream	
17. Identifies residu		
	tatic pressure with grease pencil	
	Static to Residual Drop = Add 3 Times currant GPM Output	
	% Static to Residual Drop = Add 2 Times currant GPM Output	
	% Static to Residual Drop = Add 1 Times current GPM Output	
	l pressure (write answer here:	
	reports additional GPMs that can be supplied	
(write answer h		
`	anel (start in top left corner, working from left to right) per JPR P-11	
<u> </u>	gauges with grease pencil	
	afe and proper shut-down when directed per JPR P-12	
	CRITICAL FAILS:	

☐ Did not perform step	s in a safe and effective n	nanner					
☐ Interruption in fluidi	ty of motion						
OVERALL RESULTS:							
ROLE:	PRINT:	SIGN:	DATE:	P	F		
ENGINEER:							
EVALUATOR:							
REFERENCES:							
STANDARD:							
CMCB/JPR'S:							
SOG'S:							