

State of Alaska Division of Fire & Life Safety Bureau of Fire Accreditation, Standards & Training



Operations Plan Mobile Live Fire Training Unit

The purpose of this manual is to provide policy and procedures for the safe operation of the Mobile Live Fire Training Unit (MLFTU) purchased by the DFLS Bureau of Fire Accreditation, Standards & Training through a US Fire Administration Assistance to Firefighters Grant.

This manual provides guidance for Lead Instructors, Instructors and other staff members who are controlling, organizing and managing the training of Alaska's Firefighters.

For general information on this trailer, please contact:

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BFAST Regional Trainer Organizational Checklist

Completed	Action								
	Coordinate Delivery with Host Agency								
	Set Up MLFTU (follow MLFTU Set Up Procedures Checklist)								
	Conduct Inventory and Walk Through with Host Agency								
	Provide Training on Administration and Operation of MLFTU								
	Highlight Mandatory Safety Requirements								
	Review Training/Burn Plans with Host Agency or Assist with Developing								
	Training/Burn Plans								
	Conduct Demobilization Inventory and Walk Through (follow MLFTU								
	Demobilization Checklist)								
	Ensure All Interior Props are Secured for Travel								
	Collect all Paperwork from Host Agency								
	Send copy of roster to Lakewood Office								
	Move MLFTU to next location								

MLFTU Set Up and Equipment Inspection Procedures Checklist

Completed	Action						
	Level the trailer - 2ft level on door sills and FR and RR crossmembers						
	Operate leveling jacks - high speed (pull out) to lower jack foot, low speed						
	(push in) to lift unit						
	Install grounding rod, 6 ft long, connect together, and to trailer grounding						
	point using 6 AWG wire. Bury connection points.						
	Check containers, under the body and chassis for damage						
	Check for nests of birds, insects, other animals						
	Check propane piping, hydraulic tubing and conduits for damage						
	Inspect condition of pulleys, pins & bolts in place - add white li						
	grease if needed						
	Inspect condition of cables and connections verify tension on cables						
	Inspect burn room doors and windows for damage or tampering						
Unlock burn room doors and windows - open doors							
	Unload and install all aluminum stairs and accessways						
	Ensure e-stops are unlatched (not pressed in) - release with metal tab						
	Check second floor shell for warpage						
	Open propane room doors (front container doors) enter						
	Check propane cylinders and piping for damage, smell for leaks						
	Ensure propane valves are in the OFF position						
	Open generator door and slide out generator - leave out/latched						
	Check oil level in the generator, propane connection - valve off						

Open RR equipment container doors - check damage/loose connections
Pilots are fully assembled and filters are in place
Spark plug wires are intact and assembled
Ventilation fan not damaged, fan blades spin,
Ventilation fan cables and sensors are intact and connected
Check rear fan disconnect switch is ON
Open control room door - check control room for damage
Check control panel - switches are OFF
Check VFD panel disconnect switch is OFF
Check hydraulic power unit and valves for leaks or damage, secure
Check nitrogen levels - cylinder connected, valve off, back-up Cylinder full
Shut off smoke tank switches (or verify off) - fluid and gas
Check smoke fluid level - fill if needed - CAP HAND TIGHT ONLY
Enter burn room area
Check for propane leaks - smell of propane indicates a problem
Check condition of thermocouples and gas sensors - covers in place
Inspect props, pans, and pilots for damage
Ensure all covers and grates are securely in place
Ensure all heat shields are in place and are intact

Lead Instructor Organizational Checklist

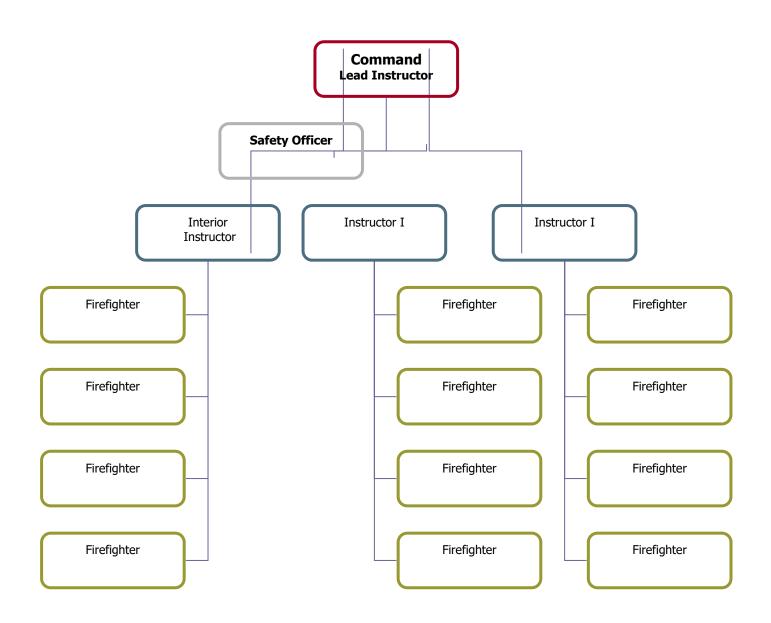
Completed	leted Action							
	Confirm Command Staffing Requirement – complete report							
	Prepare Live Burn Plan – complete report							
	Appoint Safety Officer – complete trainer inspection – complete report							
	Complete Protective Clothing Inspection							
	Complete Medical Screening of all participants – complete report							
	Complete Training Prerequisites Report – complete report							
	Assign someone to complete the trainer setup – complete report							
	Conduct Instructor Orientation							
	Conduct Student Orientation							
	Conduct Training							

NO ONE SHALL TAMPER WITH <u>ANY</u> CONTROLS AND VALVES ON THE TRAILER !!!

<u>No class "A" material</u> is to be used inside the trailer. Class "A" materials will clog drain tubes and mess up sensors. <u>No Foam</u> of any type shall be used on the trailer

Command Staffing Positions

- Minimum staffing for all training events will be a lead instructor, an Operations Officer and a Safety Officer.
- All entry teams must be accompanied by a qualified instructor (1403 certified or Fire Instructor I).
- Ratio of students to instructor will not exceed 5:1



MLFTU Set-Up Procedures Checklist

Date	Name							
Completed	Action							
	Ensure all steps outlines in the <i>MLFTU Set Up and Equipment Inspection Procedures</i> <i>Checklist</i> have been completed before starting this checklist							
	Inspect the trainer thoroughly for any issues or problems NOTE any issues or problems and report them to the DFPC Regional Trainer.							
	Remove any combustibles from the training compartment							
	Open all doors, generator compartment, propane compartment, equipment rooms, and control room							
	Record Propane levels in Tank1/Tank 2 and hours on Generator in journal including date and location;							
	turn ON shore propane OR onboard propane valves (never both)							
	If onboard propane, OPEN vapor service valves on cylinders							
	If shore propane OPEN shore propane shut-off (under trailer body)							
	check propane pressure is 20 PSI 1st stage, 4-5 PSI 2nd stage							
	turn fuel supply for power generator ON							
	press and hold generator safety shutoff bypass switch - turn start key – Allow 2 minute warm-up							
	turn main disconnect on (lower panel)							
	control panel e-stop released - twist to release							
	Verify USB thumb drive in receptacle							
	control panel ON - key switch							
	turn on nitrogen gas then fluid switch on smoke tank							
	touchscreen displays hydraulic control screen							
	send spotter up to rear roof area - raise and pin railings if not done							
	SECOND FLOOR UP button pressed when ready - shell raises							
	spotter verifies shell is up and stops in position - touchscreen agrees							
	Touchscreen reads 'SECOND FLOOR UP POSITION REACHED'							
	Select 'CONTINUE' on touchscreen							
	install safety pins in columns							
	close drain valves and fill fire pans with water until overflowing							
	bring removable interior railing upstairs and drop in receivers							
	install chair prop on fireplace on second floor							
	arrange movable walls for desired layout							
	raise / install railings on roof, secure with pins and chains							
	raise and pin railings for ventilation prop - vertical or incline position selected							

2 people operating hand jacks raise ventilation prop - if required
select SMOKE ONLY or FIRE CONTROL on touchscreen
smoke heater to be turned on - if smoke to be used
3 minute system purge - both fans on high
gas sensor displays read normal
temperature displays read ambient temperature
verify burn room is clear of people
on the touchscreen - enable the pilots for props to be operated
Conduct NFPA 1403 Program with students (classroom and trailer);
Medical Screening completed and "Rehab" Group identified;
Incident Command System and Personnel Accountability System in place;

Notes:			

MLFTU Normal Operations Checklist

Date		Name			
Completed			Action		
	Wireless penda	ant fire switcl	hes off		
	Install a charge	ed battery in	pendant - remote pendant mode - REMOTE		
	or - plug c	orded deadm	nan - dead-man switch mode - LOCAL		
	with corde	d deadman -	- press deadman switch, touchscreen changes		
	Start pilots - ve	erify that all e	enabled pilots PASS		
	if pilot FAI	L - RESET ar	nd START (attempt 2 restarts - see troubleshooting)		
	With pendant -	depress dea	adman - operate fire switches		
	Operate differe	ent fire zones	s (rear multiprop, rollover, 2nd flr fire)		
	Operate smoke	e - pendant o	or touchscreen - adjust timer if required		
Acknowledge warning states - temperature and LEL					
	Respond to and	d reset ALAR	M conditions		
	View data logging information - graphs and log on screen				

NO FOAM OF ANY TYPE SHALL BE USED ON THE TRAINER

MLFTU Shut Down Procedures Checklist

Date			Name				
		1					
Completed	Action						
		After critique with the students and completion of the course evaluations and medical evaluation, shut down MLFTU either for day or for transport.					
			-	e is or will be below freezing – empty water both first and second floor.			
		all main	burners are	stopped, burn down completes			
				ow smoke to clear - smoke clear button			
			stopped				
				ing for air cooling			
		20 minu	tes of cooling	g initiates before "safe to shut-down" is possible			
		follow s	hut-down che	ecklist for pack up procedure - press to complete			
		vent pro	op down (if n	ecessary) - 2 people on jacks - lower and pin railings			
		roof rail	ings dropped	down and pinned - If unit to be moved			
		2nd floc	or window clo	sed, latched, pinned			
		2		oor removed - store on main floor			
		drain wa	ater from bot	h pans - rinse out debris in pans			
		remove safety pins					
		shutdown sequence screens have been ALL followed					
		2nd floor lowered (when questions answered - and actions taken)					
		shut off system - key switch, main disconnect					
		Move USB data to PC if required					
		shut off nitrogen valves, and BOTH smoke tank switches					
		generator shut down - turn key off - close generator shut off valve					
		shut propane supply valves off at cylinders and any supply valves					
				ime before handling metalwork - apply water			
				towed in unit			
		rear stairs folded and strapped to back					
		doors closed and locked - burn room, control room, container doors					
		INSPECT trainer thoroughly for any issues or problems					
		NOTE any issues or problems in plan and report them to State.					
		Inspect remotes for damages (report any damages to State)					
		Prepar	e interior fo	r transportation if final day of training			
ТОГ	00	Develop a packing process for the trailers					
		Pictures of how to store items for transportation in packet on trainer.					
				r equipment room and control room placed against and secured;			

First floor, exterior steps placed against walls in front of each fireplace and secured;
Move second floor chair prop to first floor against the front fireplace and secured;
Ensure training ground is clear of trash and debris.
Return keys to tractor driver – if this is the final training event in this district.

Notes:			

Mobile Live Fire Training Unit Demobilization Procedures

When packing the equipment on the trailer for transporting the following procedures must be done to prevent damages to the equipment and trailer.

An inventory needs to be taken of MLFTU's equipment
Any missing item needs to be reported.
The moveable walls should be secured in place (upright)
SECURE EQUIPMENT. Make a bin with 3 wall panel &
place loose equipment inside bin. Secure by strapping
around wall panel to wall.
All railings should be tied down with straps to prevent
movement
All props should be tied down
Loose air bottles should be placed in crate and secured
along with equipment
All fuel containers need to have caps tightens and
strapped down.
Before the doors are shut and locked, PLEASE
check to be sure everything is back on the trailer
and secured in place.

Lead Instructors are responsible for the MLFTU and all paperwork that is required to be filled out for training sessions. Inspection of the trailer must be performed before and after each training session. Any issues or problems must be recorded in the Log Book and reported to your BFAST representative within two (2) days or as soon as possible.

Live Burn Plan

Date			Region	
Location			Start Time	
Weather Temperature			End Time	
	Participant	Informa	ation	
Lead Instructor				
Safety Officer				
Interior Instructor				
Additional Instructor				
Additional Instructor				
	Participatin	ig Agen	cies	
	Participating	, Firefig	hters	

Describe the Exercise:

Purpose of Training:

Safety Precautions:

Weather Conditions:

Other Pertinent Information:

Signature of Lead Instructor:Date:	
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Structure Information

General Information:

The **MLFTU-** is a fifty-three foot twin axle trailer that is a self-contained, live fire trainer system used to conduct training of firefighters and emergency rescue personnel in live-fire situations.

The system is designed and manufactured by Draeger Safety, Inc and owned by the State of Alaska Department of Public Safety. The MLFTUs were purchased with Assistance to Firefighter Grant funds. The MLFTU is a system that generates propane gas fueled fires under the control of an instructor. The simulator simulates Class B type fires.

The trainer consists of a $53'L \times 8'6''W \times 13'6''H$ steel structure on a US DOT compliant trailer, two 100 gal. LP propane tanks, an electric start, 12kW Winco/Honda commercial electric generator, a control room, a large burn room on the first floor and a small burn room on the second floor.

The first floor burn room consists of an on-board rear smoke generations system, a re-configurable training maze, and one fire pan assembly. The fire pan assembly is equipped with a rollover effect that will produce a flame that extends across the ceiling.

The structure contains two doors for entrance and egress and two windows on the first floor. The structure contains a stairway in the forward end of the trailer for access to a second story structure that is collapsible for transport There are two doors for entrance and egress and one window on the second floor. One door exits to a rear roof prop available for ventilation training and confined space entry training, unless laddered there is no access to the ground from the roof prop without going back into the burn room to wither the internal or external stairway. The second door exits to an external stairway.

For more information on the structure, refer to the Operation and Maintenance Manual provided by Draeger.

Doors: All doors open outward and are equipped with panic hardware.

Windows: All windows open outward and should be checked prior to the burn.

<u>Hazards</u>

Trip/ Fall Hazards:

- Tripping hazards created by the steps affixed to the outside of the trailer.
- Use caution when operating on the roof. There are handrails and chains that should be in place to prevent falls.
- When laddering the building, be cautious of the surface the foot of the ladder is resting on.
- General equipment on and around the structure should be moved to a staging area when possible.
- Interior stairs may become a fall hazard in decreased visibility.

Heat Exhaustion

- Extended exposure to the heat of the open flame may cause heat exhaustion.
- The structure will retain heat for some time after the fire is extinguished.
- Weather may be a factor in heat injuries (See weather forecast)

Metal Parts:

- Touching hot surfaces without protective equipment may cause burn injuries.
- Sharp edges may cause cuts/ lacerations.

Open Flame

- Standing up in the structure during burn evolutions may result in burn injuries.
- Working over the burn pans may result in burn injuries if ignition occurs.
- Full PPE and SCBA are required while burners are operational. Respiratory injuries may occur if exposed to heated air within the structure.

Doors and Windows

• Be sure that all windows and doors are unlocked during evolutions.

Water Supply

The above structure best fits into Occupational Hazard Class 5 and is most similar to a Type II structure (co-efficient 0.75).

Fire Supply Formula

 $\frac{53'(L) \times 8'(W) \times 13(H) \times 0.75}{5} = 826.8 \text{ gallons}$ 50% contingencies = 413.4 gallons Total Water Supply = 1240.2 gallons

Fire Flow Requirement

 $\frac{53'(L) \times 8'(W)}{3} = 141.3 \text{ gpm}$

50% contingencies = 70.6 gpm Total Fire Flow Requirement = 212 gpm

The following water supply and pumping resources should be on hand dedicated to the training event:

- (2) apparatus- each capable of delivering a minimum of 250 gallons per minute
- Water supply- a minimum of 1250 gallons supply available (Split between both apparatus).

The presence of a hydrant does not preclude the need for the above water supply. However, it is recommended that a hydrant be used for the primary water source when available.

No class "A" material is to be used inside the trailer. Class "A" materials will clog drain tubes and mess up sensors.

Describe the water supply and delivery capabilities being used for this training evolution (Include the location of the closest hydrant).				
Designated F	Parking Areas			
If certain disciplines are not participating				
In Service Apparatus:				
EMS:				
Law Enforcement:				
POVs:				
Media:				
Commu	nications			
If certain disciplines are not participating	mark n/a in the box.			
Dispatch Agency				
Talk Groups/Frequency Assigned				
Talk Groups/Frequency Assigned				
POVs:				
Media:				

Firefighter Injuries

Any firefighter injury that requires treatment shall be appropriately documented on the local jurisdiction patient care report. The injury report shall be filed with BFAST within 24 hours to either the Safety Officer or Section Chief. An injury requiring hospitalization shall be reported within 4 hours to either the Safety Officer or Section Chief.

Evacuation Procedures

Any participant, student, or instructor may initiate an evacuation by pushing one of the two emergency shut off buttons located next to the doors.

In the event of an emergency, an evacuation of the structure should be ordered using the following signal:

- 3 long blasts from the air horn
- An evacuation announcement over the radio (to be done by the dispatch center if possible and appropriate in the locale)
- Verbal announcements done by instructors and safety officer

All students and instructors should immediately report to the primary pump for personnel accountability report.

In the event of an emergency, contact appropriate help immediately. The procedure for initiating an emergency response should be discussed with local jurisdiction prior to the start of the training session.

Safety Officer Checklist

Must be completed for each drill session conducted.

Date				Safety Officer						
Time Started				Time Stopped						
Yes	No	Action								
			e Burn Plan (inc I by the Instruc	-	ast, heat index/ wind chill) has been					
			Ensure all training paperwork/ waiver forms filled out by students and instructors have been completed and collected.							
		Complete	Complete the Safety Briefing with all students and instructors.							
		Ensure BLS	S resources are	on site.						
		participan	ts and the info sure of 160/10	rmation has been doc	re) have been taken on all umented. Participants with a resting e allowed to participate in any live					
		Ensure the training site and interior of trailer are free from debris and trip/fall hazards.								
		Ensure the	e training site h	as appropriate lighting	g (if necessary).					
		Perform a	walkthrough o	of the entire trailer incl	luding the top catwalk and ensure:					
		All doors a	nd window are	e <u>un</u> locked.						
		Emergency	y system shut-o	down buttons work						
		Safety rails	s, chains, and p	oins are all in place and	d secure.					
		Ensure an	accountability	system is being used a	and is accurate for each evolution.					
		Ensure ins burn.	tructors have o	completed all pre-burr	n safety checks and the pre-training					
		Complete	water supply s	afety checks:						
		At least 12	50 gallons of v	vater are on site ready	/ for use.					
		Water sup	plied is from ty	wo separate sources.						
		All hose lir	nes are adequa	tely pressurized and w	vithout kinks					
			ehab area has l ts rotate throu	-	appropriate area and all					

Ensure use of Personal Protective Equipment including but not limited to:
PPE Ensemble (Pant, gloves, coat, hood, boots, helmet, etc.)
Ensure participants have no facial hair that would interfere with the seal of their
SCBA mask
SCBA
Personal Alarm Devices (PASS)
Coordinate the lighting of fires with the Instructor in charge.
Supervise additional safety personnel as needed.
Ensure all participants are accounted for before and after each evolution.
Document any unusual conditions or events that occur during training, including
any prop damage.
Document any injuries incurred and treatment rendered.

Explain ALL NO answers above in

the space below.

Safety Briefing

These principles guide your decisions:

Safety Officer Check Report Page 2 of 2

difference in the outcome.

- Risk a lot to save savable lives.
- Risk a little, and in a calculated manner to save savable property.
- Risk nothing trying to save lives and property that are already lost.

Organizational priorities are:

- 1. Safety
- 2. Quick and effective service.
- 3. Be nice.

Observe the following safety behaviors:

- Think.
- Drive defensively.
- Drive slower than faster.
- At intersections: if you can't see, stop.
- Don't run for a moving rig.
- ALWAYS wear your seatbelt.
- Wear full protective clothing and SCBA.
- Don't ever breathe smoke.
- Attack with a sensible level of aggression.
- Always work under a command no freelancing!
- Keep your crew together.
- Maintain communications link to command.
- Always have an escape route (hoseline / lifeline).
- Never go beyond your air supply.
- Use a big enough and long enough hoseline.
- Evaluate the hazard know the risk that you are taking.
- Follow Standard Operating Guidelines know and be part of the plan.

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- Vent early and vent often.
- Provide lighting for your work area.
- If it's heavy, get help.
- Always watch your fireground position.
- Look and listen for signs of collapse.
- Rehab fatigued members assist stressed members.
- Pay attention at all times.
- Everybody takes care of everybody else.

Specific to MLFTU

- Avoid handling props until they have cooled.
- Monitor amount of air in SCBA.
- Make sure all turnout gear is in place correctly
- Participants shall communicate with team members and instructors
- Participants shall always work under an instructor no freelancing
- Keep your crew together
- Stay upwind and upslope from propane fuel source and props
- Maintain communications link to command
- Always have an escape route (hose line / lifeline)
- If not involved in training, stay in cold zone, staging, or rehab.
- Participants shall pay attention at all times
- In an emergency, all personnel shall report to the designated evacuation area located at _____.

Training Prerequisite Statement

In accordance with NFPA 1403, the BFAST requires that you complete the following form for live fire training that will take place using the MLFTU.

Please list the names of the firefighters that will be attending. Additions to this list must be made prior to participation in the training evolutions.

This acknowledgement serves as proof to the Division of Fire & Life Safety that each individual has received training in the following areas. If you are certified at Firefighter I level you exceed these requirements.

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•	Safet	y		

- Portable Extinguishers
- Ladders

Personal Protective Equipment

Fire Behavior

Fire Hose, Appliances and Streams

Overhaul

Water SupplyForcible Entry

Ventilation

Firefighter Name (Print)	Firefighter Name (Signature)				

Firefighter Name (Print)	Firefighter Name (Signature)

Live Burn Injury/Accident Report

Date of Training	Start Ti	me of Training		
Time of Incident	Locatio	Location / City		
Total Personnel	# of Pe	# of Personnel Involved		
Patient Transported to H	ospital	Yes	No	
Fire Chief Notified		Yes	No	
Equipment Secured		Yes	No	
Protective Clothing Secur	ed	Yes	No	
Burn Plan Document Sec	ured	Yes	No	
Local EMS Patient Care R	eport Comple	ted Yes	No	
Photographs		Yes	No	
Who is the Lead Investig	gator for this			
Name of Hospital				
Fire Chief Name				
Where is equipment secu	ired?			
Where is burn plan secur	ed?			
S	Staff Positi	on Established		
Lead Instructor Name				
Safety Officer Name				
Interior Instructor Name				
Exterior Instructor Name				
Instructor Name				
	Firefigh	ter Injuries		
Any firefighter injury that requires treatment shall be appropriately documented on the local jurisdiction patient care report. The injury report shall be filed with BFAST within 24 hours to either the Safety Officer or Section Chief. An injury requiring hospitalization shall be reported within 4 hours to either the Safety Officer or Section Chief				

Safety Officer or Section Chief.

Nature of Injury – check one below									
Strain/Sprain		Contusion Burn Abrasion Laceration							
If none of the above – please explain below									
		Cause of I	nju	r y - check	one	e below			
Fall from Equip	me	nt		Heat					
Overheated				Exhaus	stio	n			
Equipment Fail		•							
If none of the	abo	ve – please exp	lain	below					
						<u>(; ; ;)</u>			
Please provide	a n	arrative of actio	ons ta	aken – cal	lse	or inclaent	<u>.</u>		

Please provide a narrative of how this accident can be prevented in the future.

Live Burn Personnel Medical Evaluation Form

NOTE: Students with a resting heart rate of 160/100 will not be

allowed to participate in training in the MLFTU

Date of Training ______ Location of Training_____

Name	Agency	
Current Resting BP	Current Resting Pulse	
Post-Training BP	Post-Training Pulse	
Name	Agency	
Current Resting BP	Current Resting Pulse	
Post-Training BP	Post-Training Pulse	
Name	Agency	
Current Resting BP	Current Resting Pulse	
Post-Training BP	Post-Training Pulse	
Name	Agency	
Current Resting BP	Current Resting Pulse	
Post-Training BP	Post-Training Pulse	
Name	Agency	
Current Resting BP	Current Resting Pulse	
Post-Training BP	Post-Training Pulse	
Name	Agency	
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Post-Training BP	Post-Training Pulse	

Name	Agency	
Current Resting BP	Current Resting Pulse	
Post-Training BP	Post-Training Pulse	
Name	Agency	
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Name	Agency	
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Post-Training BP	Post-Training Pulse	
Name	Agency	
Current Resting BP	Current Resting Pulse	
Post-Training BP	Post-Training Pulse	
Name	Agency	
Current Resting BP	Current Resting Pulse	
Post-Training BP	Post-Training Pulse	

Informed Consent Form

Liability Waiver and Assumption of Risk Agreement for Training using the "Mobile Live Fire Training Unit"

NOTE: Facial hair that lies along the sealing area of the respirator, such as beards, sideburns, moustaches, or even a few days growth of stubble may interfere with the respirator seal of tight-fitting respirators and therefore is not permitted if participating in training that requires an SCBA. See Facial Hair Policy on back of this Form.

have voluntarily enrolled in live fire training, on the l, __ following date(s):

I agree, intending to be legally bound hereby, that the State of Alaska and its agencies, officers, and employees ("the State") SHALL NOT BE LIABLE FOR MY DEATH OR INJURY TO MY PERSON, OR FOR ANY LOSS OR DAMAGE TO MY PROPERTY caused in any manner whatsoever, whether attributable to the negligence of the State, or for any other reason, occurring during the time that I am in, entering or alighting from the Mobile Live Fire Training Unit under the control of or owned by the State, and I do hereby waive any right of action from any and all causes or claims that I may have. I further agree not to sue on any such cause or claim. This agreement shall not release liability for gross negligence or willful misconduct of the State. I agree to indemnify and hold the State harmless for any losses, judgments or damages that may be incurred, including but not limited to attorneys' fees, arising out any lawsuit related to the training and/or enforcement of or legal challenge to this agreement. It is my intention that this agreement be interpreted and enforced to the maximum extent allowed by Alaska law.

Signature Date

LIVE FIRE TRAINING AFFIDAVIT

(To be completed by the student's Fire Chief)

I certify that is a member of my fire department, covered by workers compensation insurance during all training associated with the use of the MLFTU of Fire Prevention, and has successfully completed training in the proper use of personal protective clothing (turnout gear) and self-contained breathing apparatus (SCBA) and has satisfactorily demonstrated the knowledge and skills to safely participate in live fire training using turnout gear and SCBA. I also certify that the applicant meets the medical and physical requirements required by my department to perform the duties of a fire fighter.

Name of Fire Chief: Signature of Chief:

Department:_____ Date: _____

Facial Hair Policy in Contact with SCBA Use

A. Individuals with facial hair that could interfere with the seal of the SCBA face piece will not be allowed to participate in an examination or training that could require the use of an SCBA. This policy is in accordance with NFPA 1500, *Fire Department Occupational Safety and Health Programs*, 2018 Edition, and Section 7.14.3: "Members who have a beard or facial hair at any point where the face piece is designed to seal with the face or whose hair could interfere with the operation of the unit shall not be permitted to use respiratory protection at emergency incidents or in hazardous or potentially hazardous atmospheres. These restrictions shall apply regardless of the specific fit test measurement that can be obtained under test conditions."

B. NFPA 1500 followed the ruling regarding facial hair and SCBA or respirator use that was issued by the Directorate of Compliance Programs, Occupational Safety and Health Administration, U.S. Department of Labor: 29 CFR 1910.134(g)(1)(i).

NO FOAM OR CLASS "A" MATERIALS OF ANY TYPE **IS TO BE USED IN THE** TRAINER

Monday, 4:52pm. Fire units requested to 456 West Buckman Dr. for a fire in the kitchen.

Instructor Notes: enter on passenger side of structure, fire location rear passenger side corner

Monitor fire attack group for

- Full PPE/SCBA
- Choose appropriate size line
- Charging of line prior to entry
- Bleeding of line/nozzle pattern appropriate
- Both members on same side of line
- Communication of plan
- Sound floor prior to entry
- Maintain crew integrity/accountability
- Coordinated movement through the structure/movement of hoseline (not shorting themselves)
- Communication of benchmarks

Variations:

Time of day, presence of victims (search and rescue component), point of entry, ventilation component

- Interior structural fire attack requires full SCBA and PPE for everyone operating in the hot zone
- Conduct a conscious risk benefit analysis for the safety of firefighters
- Do not risk your life for a building or property.
- Complete a 360 degree survey before committing personnel to interior / offensive operations.

8pm, 7654 Abel Way house filling with smoke, owner is evacuating.

Instructor Notes: enter from roof of structure, fire location front drivers side corner

Fire Attack Group

- Full PPE/SCBA
- Choose appropriate size line
- Charging of line prior to entry (IMPERATIVE FOR BASEMENT FIRES)
- Bleeding of line/nozzle pattern appropriate
- Both members on same side of line
- Communication of plan
- Sound floor prior to entry
- Maintain crew integrity/accountability
- Coordinated movement through the structure/movement of hose line (not shorting themselves)
- Communication of benchmarks
- Protection of interior stair is PARAMOUNT
- Ventilation is critical for these types of fires
- Closer contact among members must be maintained in cellar fires due to limited egress
- Extension is highly probable in cellar fires variations:
- Time of day, point of entry, ventilation component

- Cellar fires present a unique set of hazards to FF's.
- Complete a 360 degree survey before committing personnel to interior / offensive operations.
- Likely to be littered with debris
- One means of ingress/egress
- Whenever possible, firefighters should extinguish the fire w/ a cellar nozzle or other means without committing personnel to the cellar.

8:32 pm, Fire units requested to 1234 Walters Blvd. a neighbor advises there is smoke coming from the house next door. Instructor Notes: enter from roof of structure, first fire location rear passenger side, group will perform search for a victim located in rear area. Once located, second fire will be lit located front driver side with rollover blocking entrance. Firefighters must fight their way back out with victim.

Fire Attack Group

- Full PPE/SCBA
- Choose Appropriate Size Line
- Charging Of Line Prior To Entry
- Bleeding Of Line/Nozzle Pattern Appropriate
- Both Members On Same Side Of Line
- Communication Of Plan
- Sound Floor Prior To Entry
- Maintain Crew Integrity/Accountability
- Coordinated Movement Through The Structure/Movement Of Hoseline (Not Shorting Themselves)
- Communication Of Benchmarks

Search: maintain integrity, communicate, systematic search pattern, most likely locations: behind doors, near beds, etc.

Variations: time of day, point of entry, ventilation component, victim

present or not

- Risk a lot to save a lot, FF's will take calculated risk to save a life.
- Search crews must have systematic approach
- Check behind doors, beneath windows, on/near/under beds for victims.
- Crews must maintain crew integrity stay together
- Complete a 360 degree survey before committing personnel to interior / offensive operations.
- Firefighters need to be aware of escape routes through doors on main level if needed.
- The session is complete once group is at stairs. Do not drag victim up stairs.

Wednesday, 8pm, 7654 Abel Way house filling with smoke, owner is evacuating.

Instructor Notes: Enter rear driver's side door and perform a search of main floor. Team would advance up stairway to locate victim in second floor room. Team As team is retreating with victim down stairway, the front fire and rollover is lit Team will fight their way back to the exit. Rear fire will be lit as team reaches middle of room on main floor.

Fire Attack Group

- Full PPE/SCBA
- Choose appropriate size line
- Charging of line prior to entry (IMPERATIVE FOR BASEMENT FIRES)
- Bleeding of line/nozzle pattern appropriate
- Both members on same side of line
- Communication of plan
- Sound floor prior to entry
- Maintain crew integrity/accountability
- Coordinated movement through the structure/movement of hoseline (not shorting themselves)
- Communication of benchmarks
- Protection of interior stair is PARAMOUNT
- Ventilation is critical for these types of fires
- Closer contact among members must be maintained in cellar fires due to limited egress
- Extension is highly probable in cellar fires variations:
- Time of day, point of entry, ventilation component

- Cellar fires present a unique set of hazards to FF's.
- Complete a 360 degree survey before committing personnel to interior / offensive operations.
- Likely to be littered with debris
- One means of ingress/egress
- Whenever possible, firefighters should extinguish the fire w/ a cellar nozzle or other means without committing personnel to the cellar.
- Firefighters need to be aware of escape routes through doors on main level if needed.
- The session is complete once group is at stairs. Do not drag victim up stairs.

Saturday 2:32 am, 1234 E Walker Ct. Fire units requested to 1234 Walker Ct. a neighbor advises there is smoke coming from the house next door.

Instructor Notes: Enter on drivers side of structure, fire location front drivers side corner (victim present)

Fire Attack Group

- Full PPE/SCBA
- Choose Appropriate Size Line
- Charging Of Line Prior To Entry
- Bleeding Of Line/Nozzle Pattern Appropriate
- Both Members On Same Side Of Line
- Communication Of Plan
- Sound Floor Prior To Entry
- Maintain Crew Integrity/Accountability
- Coordinated Movement Through The Structure/Movement Of Hoseline (Not Shorting Themselves)
- Communication Of Benchmarks

Search: maintain integrity, communicate, systematic search pattern, most likely locations: behind doors, near beds, etc.

Variations: time of day, point of entry, ventilation component, victim present or not

- Risk a lot to save a lot, FF's will take calculated risk to save a life.
- Search crews must have systematic approach
- Check behind doors, beneath windows, on/near/under beds for victims.
- Crews must maintain crew integrity stay together
- Complete a 360 degree survey before committing personnel to interior / offensive operations.

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Monday, 11:30 am Units requested to 987 Robbs Lane for a structure fire. repeat.

Instructor Notes: enter on drivers side of structure, fire location front drivers side corner (as nozzle team advances, instructor activates rollover effect)

Fire Attack Group

- Full PPE/SCBA
- Choose appropriate size line
- Charging of line prior to entry
- Bleeding of line/nozzle pattern appropriate
- Both members on same side of line
- Communication of plan
- Sound floor prior to entry
- Maintain crew integrity/accountability
- Coordinated movement through the structure/movement of hoseline (not shorting themselves)
- Communication of benchmarks

WHEN ROLLOVER OCCURS, INSTRUCTOR SHOULD OBSERVE FIRE ATTACK GROUP FOR HESITATION, INDICATING AN UNDERSTANDING OF THE GRAVITY OF A ROLLOVER EVENT, AS WELL AS DIRECTION OF FIRE STREAM AT THE CEILING TO COOL THE AREA PRIOR TO CONTINUING THEIR ADVANCE.

Variations: Time of day, point of entry, ventilation component, victim present / not present

- Complete a 360 degree survey before committing personnel to interior / offensive operations.
- Hostile fire events such as rollover, flashover, back draft etc. can happen rapidly in today's lightweight constructed buildings.
- FF's must have a thorough understanding of fire behavior and what to do when encountering the signs of an impending hostile fire event.

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